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RF/RMRS-97-095.UN

# Close-Out Report

# For The Building 980 Cluster

Rocky Mountain Remediation Services, L. L. C.

October 1997

# CLOSE-OUT REPORT
# FOR THE BUILDING 980 CLUSTER

## REVISION 0

## OCTOBER 1997

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# CLOSE-OUT REPORT

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# CLOSE-OUT REPORT FOR THE BUILDING 980 CLUSTER

## 1.0 PURPOSE

The purpose of the Close-Out Report (CR) is to document the post demolition configuration of the Building 980 Cluster. The report includes:

- The radiological survey results delineated in the Close-Out Radiological Survey Plan (CRSP).
- The data which demonstrates that residual radioactive material, existing in the Building 980 Cluster, is below levels that comply with established Rocky Flats Environmental Technology Site (RFETS) unrestricted release criteria identified in Appendix A (Appendix 1, 1-P73-HSP-18.10, "Radioactive Lateral Transfers and Unrestricted Release of Property and Waste").
- Description and disposition of hazardous material (asbestos, chemicals, and Polychlorinated Biphenyl [PCB] ballasts) removed from the facility prior to demolition.
- Description and disposition of construction debris and recycled material released.
- The final configuration of all utilities in the cluster.

## 2.0 FACILITY HISTORY

The Building 980 Cluster consisted of three metal skinned buildings located near the center of RFETS within the Protected Area. They were utilized as warehouses which contained construction equipment, building material, and supplies for on-site contractors.

Building 965 was approximately 625 square feet in area and functioned as a maintenance shop until 1996. In addition, it was utilized for various carpentry services and equipment repairs.

Building 968 was approximately 11,000 square feet in area and was used by the construction subcontractor for storage, warehousing, and support shop activities.

Building 980 was approximately 13,000 square feet in area and was previously used for storage, warehousing, and as a support shop for construction activities. Operations within the Building 980 included: sheet metal work, painting, iron work, asbestos abatement, carpentry, millwrighting, and motorpool operation. About 1/5 of the area was used as a radiological buffer area (RBA) for the storage of a radiologically contaminated pumping truck.

## 3.0 RADIOLOGICAL AND HAZARDOUS MATERIAL ISSUES

### 3.1 RADIOLOGICAL CONTAMINATION IDENTIFICATION

Based on the review of the historical records and process knowledge of the identified project's buildings/equipment/systems, there was minimal expectation that radioactive material would be present above unrestricted release levels in the building interiors except in one area. This area is located in the east end of Building 980 where a RBA and Contamination Area (CA) existed. Based on the reconnaissance level characterization radiological survey data, no radioactive material was detected above the unrestricted release criteria within the interiors of Buildings 965,

968 and 980. Based on the review of the historical records and process knowledge of the identified project's buildings/equipment/systems, there was an indication that radioactive material may have been present above unrestricted release levels on the building exteriors. The presence of radioactive material above the unrestricted release criteria was confirmed by the reconnaissance level characterization surveys of the Building 965, 968, and 980 exteriors. Elevated readings were predominately located on the north facing walls; however, survey results confirmed the presence of contamination on the exterior metal surfaces of the other walls and the roof.

## 3.2 RADIOLOGICAL CONCERNS

The Building 980 Cluster CR consists of a summary of the survey results for the interior of Buildings 965, 968, and 980. Final surveys of the exteriors of Buildings 965, 968, and 980 show that radioactive material above the unrestricted release criteria was present. The presence of Plutonium was verified initially by AP-2 alpha analysis on Buildings 965, 968, and 980 and later confirmed by radiochemistry analysis. A final survey was not completed on the exterior of Building 980 since the exterior surfaces were not decontaminated and were packaged as radioactive waste and released in a restricted manner. In an effort to minimize radioactive waste, the exterior surfaces of Buildings 965 and 968 were final surveyed. However, due to the magnitude of contamination on Building 965 and the potential for contamination to be masked by paint on Building 968, the decision was made to radwaste the exterior panels instead of performing decontamination.

## 3.3 OTHER HAZARDOUS MATERIAL CONCERNS

Hazardous contaminants as identified in the Reconnaissance Level Characterization Report (RLCR) are identified in Table 3-1. Additional hazardous materials identified during the deactivation of the Building 980 Cluster were removed and handled in accordance with established procedures.

***Table 3-1 Building 980 Cluster RLCR***

| Building & Area | Process Information | Rad/Haz Concerns | Confirmation Analysis | Comments |
|---|---|---|---|---|
| 980 East Wall | Transite | Asbestos | None Required | Assumed To Be >1% Acm |
| 980 Water Lines | Mud Pipe Fitting Insulation | Asbestos | PLM for Asbestos | Tested Positive 4% |
| 980 Safety Railings | Yellow Safety Paint | Lead | None Required | Known to Contain Lead |
| 980 Fire Water Systems | Red Safety Paint | Lead | None Required | Known to Contain Lead |
| 980 Brown Beam Paint | Brown Paint | Lead | None Required | Known to Contain Lead |
| 980 Grey Paint | Grey Paint | Lead | None Required | Known to Contain Lead |
| 980 North Exterior Wall | Exposed to Solar Ponds | Rad Contaminants | Rad Survey Joints | Rad Survey Results Above Detection Limits |
| 980 East Section of Building | Contains Vacuum Truck in RBA | Rad Contaminants | Rad Survey Required | Rad Survey Results Above Detection Limits |
| 980 Floor Paint | Grey Paint | PCBs | SW-846 Method for PCB solids | None Detected |
| 968 Water Lines | Mud Pipe Fitting Insulation | Asbestos | PLM for Asbestos | Tested Positive 3% |
| 968 Safety Railings | Yellow Safety Paint | Lead | None Required | Known to Contain Lead |
| 968 Fire Water Systems | Red Safety Paint | Lead | None Required | Known to Contain Lead |
| 968 Brown Beam Paint | Brown Paint | Lead | None Required | Known to Contain Lead |
| 968 Grey Paint | Grey Paint | Lead | None Required | Known to Contain Lead |
| 968 Tan Window Putty | Tan Putty from West Upper Window | Asbestos | PLM for Asbestos | Tested Positive .25% (PC) |
| 968 Floor | Concrete | Rad Contaminants | Rad Survey | Rad Survey results below detection limits |
| 968 Walls | Interior/Exterior | Rad Contaminants | Rad Survey | Rad Survey results below detection limits |
| 965 Safety Railings | Yellow Safety Paint | Lead | None Required | Known to Contain Lead |
| 965 Fire Water Systems | Red Safety Paint | Lead | None Required | Known to Contain Lead |
| 965 Brown Beam Paint | Brown Paint | Lead | None Required | Known to Contain Lead |
| 965 Grey Paint | Grey Paint | Lead | None Required | Known to Contain Lead |
| 965 North Exterior Wall | Exposed to Solar Ponds | Rad Contaminants | Rad Survey Joints | Rad Survey Above Detection Limits |
| 965 Floor | Interior/Exterior | Rad Contaminants | Rad Survey | Rad Survey Above Detection Limits |
| 965, 968 & 980 Light Fixtures | Fluorescent Light Ballasts | PCBs | Visual inspection for PCB information | Known to contain PCBs prior to 1980 |

# 4.0 SCOPE OF RADIOLOGICAL SURVEY

The surveys for Buildings 965, 968, and 980 included all floors, interior wall surfaces, accessible exterior surfaces, fixed equipment, and support beams.

# 5.0 RADIOLOGICAL RELEASE CRITERIA

The unrestricted release criteria is presented in Appendix A. The survey methods and release criteria of Appendix A are in conformance with the following RFETS procedures:

1. 4-K62-ROI-03.01 *Performance of Surface Contamination Surveys*
2. 4-S23-ROI-03.02 *Radiological Requirements for Unrestricted Release*
3. 4-Q97-REP-1003 *Radiological Evaluation for Unrestricted Release of Property/Waste*
4. 1-P73-HSP-18.10 *Radioactive Material Transfer and Unrestricted Release of Property and Waste*

# 6.0 HAZARDOUS CONTAMINANT SAMPLING CRITERIA

Hazardous contaminant sampling is performed in accordance with the following references:

1. *Decommissioning Characterization Protocols*
2. *L-6294-A Sampling within an RBA/CA*
3. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods/U.S. Environmental Protection Agency (EPA) SW 846, 1986,Third Edition*

# 7.0 RADIOLOGICAL SITE ASSESSMENT

## 7.1 SEVEN STEP DATA QUALITY OBJECTIVE (DQO) PROCESS

The following seven step DQO process derived from EPA QA/G-4, *The Data Quality Objective Process* and the draft *Multi-Agency Radiation Survey and Site Investigation Manual* (MARSSIM), and Manual (NUREG-1575) was utilized to develop the CRSP for the Building 980 Cluster. The CRSP was designed to identify the survey requirements which, when completed, would demonstrate compliance with the Appendix A release criteria. Much of the survey requirements were met by In-Process characterization surveys. Due to fairly uniform radioactive contamination, identified on the exterior and roof of Building 980, the building's exterior panels were removed and discarded as low-level radioactive waste. No CRSP survey requirements applied to the Building 980 exterior wall and roof panels. Radioactive contamination was also identified (to a lesser extent), on the exteriors of Buildings 968 and 965. The contaminated exterior panels and roof of Buildings 968 and 965 were also discarded as low-level radioactive waste, however, final surveys were completed on all exterior wall surfaces. The newly exposed beam surfaces of all three buildings were surveyed to ensure contamination from the panels did not migrate to the beams.

**STEP 1**

**Why were these surveys performed?**

The surveys were performed to assure that the Building 980 Cluster facilities' materials released contained no radioactive contamination above the unrestricted release criteria outlined in Appendix A. In addition, hazardous constituents were identified to ensure worker protection was adequately addressed.

**What types and kind of sampling measurements were required?**

The radiological surveys required to assure that the unrestricted release criteria was met are fixed and removable surveys for both gross alpha and gross beta contamination. These surveys were performed at distinct locations on Buildings 965, 968, and 980.

Since small areas of radioactive material could have been present between the fixed and removable surveys, scan surveys were also be performed. These surveys were performed across a defined areas of Buildings 965, 968, and 980.

Sampling for lead and asbestos was in accordance with the Decommissioning Characterization Protocols.

**Who needed the information?**

The Department of Energy (DOE), EPA, Colorado Department of Public Health and Environment, Stakeholders, Kaiser-Hill Company, L. L. C., Safe Sites of Colorado, and Rocky Mountain Remediation Services, L. L. C. (RMRS) used the CRSP results to assure that the interior components of Buildings 965, 968, and 980 could be released in an unrestricted manner.

**When was the information needed?**

The survey results from the CRSP were needed before the dismantlement of Buildings 965, 968, and 980.

**STEP 2**

**What decisions were made from this final survey information?**

Structures and components of Buildings 965, 968, and 980 were released in an unrestricted manner when it was shown that the unrestricted release criteria was met.

The surveys showed that the exterior surfaces of Buildings 965, 968, and 980 did not meet the unrestricted release criteria, the area exceeding the criteria were removed and packaged as radioactive waste and released in a restricted manner.

**Were there any alternatives to the decision?**

There are no other alternatives for Buildings 965, 968, and 980. The Site Utilization Review Board and DOE management have made the decision that the Building 980 Cluster facilities were excess.

The alternative of decontaminating the exterior and roof panels of Buildings 965, 968, and 980 to meet the unrestricted release criteria was rejected due to cost and schedule constraints.

**What is the end use of the equipment, facility, or structure (free release, restricted use, low-level waste, etc.)?**

Structures and components within Buildings 965, 968, and 980 which have no radioactive material contamination above the unrestricted release criteria, was released in an unrestricted manner.

The exterior and roof panels of Buildings 965, 968, and 980 which contain radioactive material above the unrestricted release criteria was packaged as low level radioactive waste and released in a restricted manner.

Asbestos containing material (ACM) > 1% was removed and disposed of in accordance with Asbestos Hazard Emergency Response Act (AHERA) and State of Colorado regulations.

**STEP 3**

**What information was required to make this decision?**

The information required was the radiological survey data that supported the decision to release the remaining structures and components of Buildings 965, 968, and 980 in an unrestricted manner. The radiological surveys required was fixed and removable surveys for both gross alpha and gross beta contamination. These surveys were performed at distinct locations within Buildings 965, 968, and 980 (see Appendix C for a summary of the survey results).

Since small areas of radioactive material could have been present between the locations where fixed and removable surveys were taken, scan surveys were also be performed. These scan surveys were performed to increase the probability of finding radioactive material above the unrestricted release criteria. These scan surveys were performed across defined areas within Buildings 965, 968, and 980.

**What source(s) were used to obtain the information?**

The CRSP and reconnaissance level characterization surveys, in-process characterization, and final surveys.

**Were the desired analyses performed at RFETS or was the analysis sent off-site?**

All radiological survey data was obtained and recorded at Buildings 965, 968, and 980. This data was reviewed at RFETS. No samples were sent off-site for radiological analysis.

Samples for lead, asbestos, and PCBs were sent off-site to a contract laboratory.

**What type of instrumentation was required?**

The radiological instrumentation listed in Appendix B was used to perform all radiological surveys. The Minimum Detectable Amount (MDA) of the instruments used to perform the surveys required in this CRSP were a fraction of the unrestricted release criteria outlined in Appendix A. A goal was to have the MDA of the instruments at or below 50% of the unrestricted release criteria.

**Was facility structural data been reviewed?**

Structural data was not applicable to this CRSP since the building structure was not being modified.

**What suspect materials were identified?**

Plutonium, Americium, Uranium have been identified as radioisotopes present on the exterior surfaces of Buildings 965, 968, and 980. One area on the interior of Building 980 was found to contain elevated values of natural Thorium.

Suspect hazardous materials include lead and asbestos as listed in Table 3-1.

**STEP 4**

**What was the scope of this final survey?**

The floors, walls, and fixed equipment inside Buildings 965, 968, and 980 were surveyed. Because of the radioactive material present above the unrestricted release criteria on the exterior and roof surfaces of Building 980, no additional surveys were performed on these exterior panels. The roofs and wall panels of Buildings 965 and 968 were surveyed, and based on the extent of contamination and the fact that Building 968's exterior surfaces were painted several times since it was constructed, the decision was made to remove the panels and process as radioactive waste. Ceilings were not surveyed.

**What was the sample population of interest?**

The interior surfaces of the floors, walls, ceiling and fixed equipment located within the interior of Buildings 965, 968, and 980 and exterior walls of Buildings 965 and 968 are the population of interest.

**What kind of radiological hazard was evaluated?**

Radioactive material present on the surface that is fixed and/or removable was evaluated. Gross alpha and gross beta measurements were taken to evaluate the radiological hazard.

**Were there any constraints on data collection?**

Data collection for radiological measurements was performed in accordance with the requirements of:

Draft NUREG/CR5849 - *Manual for Conducting Radiological Surveys in Support of License Termination*

Draft MARSSIM - *Multi-Agency Radiation Survey and Site Investigation Manual*

The survey methods utilized are in conformance with the following RFETS procedures:

4-K62-ROI-03.01 *Performance of Surface Contamination Surveys*

4-S23-ROI-03.02 *Radiological Requirements for Unrestricted Release*

4-Q97-REP-1003 *Radiological Evaluation for Unrestricted Release of Property/Waste*

1-P73-HSP-18.10 *Radioactive Material Transfer and Unrestricted Release of Property and Waste*

Hazardous material was sampled and evaluated in accordance with the following:

*Decommissioning Characterization Protocols*

*L-6294-A Sampling within an RBA/CA*

*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods/U.S. EPA SW 846, 1986, Third Edition*

**What sample measurement locations (densities) were necessary to get the desired certainty?**

All areas of the Building 779 Cluster did not have the same potential for radioactive material being present and, therefore, did not require the same level of survey coverage to achieve an appropriate level of confidence that building surfaces satisfy established unrestricted release criteria. The CRSP was designed so that areas with higher potential for contamination received a higher degree of survey effort. This ensured that the CRSP was both effective and efficient.

The following area classifications with their associated survey frequencies was based on guidance from:

Draft NUREG/CR5849 - *Manual for Conducting Radiological Surveys in Support of License Termination*

Draft MARSSIM - *Multi-Agency Radiation Survey and Site Investigation Manual*

Four area classifications were used to design the Building 980 Cluster CRSP. These classifications are defined as follows:

Class 1 Impacted (Affected) Areas: are areas that have potential contamination (based on building operating history) or known contamination (based on past or preliminary characterization survey data). This would normally include areas where radioactive materials were used and stored and where records indicate spills or other unusual occurrences could have resulted in the spread of contamination. The survey frequency will be a minimum of one fixed survey measurement and one removable survey measurement per square meter. In addition, an alpha/beta scan survey of 100% of the applicable surface areas, including fixed equipment, is required.

Class 2 Impacted (Affected) Areas: are areas that have or had a potential for radioactive contamination or known contamination, but are not expected to exceed the applicable contamination limits. The survey frequency will be a minimum of one fixed survey measurement and one removable survey measurement at intervals as determined utilizing MARSSIM statistical calculations. In addition, a scan survey for alpha and beta of 10 to 100% of the applicable surface areas, including fixed equipment, will be performed as directed by Radiological Engineering personnel.

Class 3 Impacted (Unaffected) Areas: are all areas not classified as Class 1 or Class 2 Impacted or Non-Impacted. These areas are not expected to contain residual contamination above the applicable limits, based on knowledge of building history and previous survey information. However, insufficient documentation is present to exclude the area from survey requirements. The survey frequency will be a minimum of one fixed survey measurement and one removable survey measurement per 50 square meters or 30 points, whichever is greater. In addition, an alpha/beta scan survey of 10% of the applicable surface areas, including fixed equipment, is required.

Non-Impacted Areas: are all areas not classified as Class 1, Class 2 or Class 3 Impacted. These areas are areas where there is no reasonable potential for residual contamination, based on knowledge of building history and/or previous survey information. Sufficient information is present to be assured that no residual contamination is present above the applicable contamination limits.

These four classifications of areas were applied to the following areas of Buildings 965, 968, and 980:

1. Total Floor Area plus Total Wall Area

2. Total Floor Area plus the Wall Area up to a Height of 2 meters

3. Wall Area From a Height of 2 meters to the Ceiling

4. Ceilings

5. Fixed Equipment

6. Exterior walls of Buildings 968 and 965.
(Building 980 exterior walls, as well as a portion of the exterior walls of Building 965 and 968, and the roof panels of the three facilities contain fixed radioactive contamination above the unrestricted release limit and will not be released in an unrestricted manner.)

**To what radiological hazards was the worker be exposed?**

For the interior of Buildings 965, 968, and 980, minimal radiological hazards existed since the reconnaissance level characterization surveys show that no radioactive material was present above the unrestricted release criteria.

For the exterior of Buildings 965, 968, and 980, a radiological hazard existed since the reconnaissance level characterization surveys showed that radioactive material was present above the unrestricted release criteria for fixed alpha contamination.

**STEP 5**

**What was the basis for the decision in Step 2?**

The unrestricted release criteria outlined in Appendix A was the basis for deciding whether the structures and components of Buildings 965, 968, and 980 were released in an unrestricted manner.

The survey frequency required to allow an unrestricted release is based on guidance from:

Draft NUREG/CR5849 - *Manual for Conducting Radiological Surveys in Support of License Termination*

Draft MARSSIM - *Multi-Agency Radiation Survey and Site Investigation Manual*

**Were there any regulatory and statistical drivers for sampling frequency?**

The survey frequency required to allow an unrestricted release was based on guidance from:

Draft NUREG/CR5849 - *Manual for Conducting Radiological Surveys in Support of License Termination*

Draft MARSSIM - *Multi-Agency Radiation Survey and Site Investigation Manual*

1-P73-HSP-18.10 *Radioactive Material Transfer and Unrestricted Release of Property and Waste*

*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods/U.S. EPA SW 846, 1986, Third Edition*

**What were the required instrumentation sensitivities?**

The radiological instrumentation listed in Appendix B was used to perform all radiological surveys. The MDA of the instruments used to perform the surveys required in this CRSP was a fraction of the unrestricted release criteria outlined in Appendix A. A goal was to have the MDA of the instruments at or below 50% of the unrestricted release criteria.

**What action levels were applicable to the decision or parameter of interest?**

The unrestricted release criteria is outlined in Appendix A.

Define the decisions using "if...then" statements.

If the structures and components of Buildings 965, 968, and 980 contain no radioactive material above the unrestricted release criteria, then those components were released in an unrestricted manner.

If the structures and components of Buildings 965, 968, and 980 contain radioactive material above the unrestricted release criteria, then those components were removed.

If removed materials (structures and components) are radioactively contaminated, then those removed materials were not be released in an unrestricted manner.

**STEP 6**

**What sample size was necessary for the analysis being completed?**

The sample size was defined for different areas in Buildings 965, 968, and 980 as outlined in the following table and discussed below:

| Area Description | Classification |
|---|---|
| Interior of the east end of Building 980 (floors and walls)<br>(These areas are located in the RBA and/or the CA within Building 980)<br><br>Thorium area in the east end of Building 980 | Class 1 Impacted<br>(Affected) |
| Exterior walls of Buildings 968 and 965<br><br>Remaining floors, interior walls and fixed equipment < 2 meters up in Building 980 | Class 1 Impacted<br>(Affected)<br>Class 2 Impacted<br>(Affected) |
| Interior walls and fixed equipment above 2 meters in Building 980<br>Floors, interior walls, and fixed equipment in Buildings 965 and 968 | Class 3 Impacted<br>(Unaffected) |
| Ceilings of 965, 968, and 980 | Non-Impacted |

The floors, walls, and fixed equipment were surveyed for fixed and removable, gross alpha and gross beta contamination as indicated in the survey summary provided in Appendix C, in accordance with the following:

**What number of samples/measurements provided the desired certainty?**

Building 980 was used as a warehouse and to store construction equipment which was not in use. Because equipment which was used in plutonium buildings was stored in Building 980, the storage areas were considered to have a potential for plutonium contamination; therefore, the west end in Building 980, below 2 meters, was considered to be a Class 2 area. The initial characterization of storage areas identified no radioactive contamination.

The east end of Building 980 was converted into a decontamination room for the solar pond vacuum trucks. The east end of Building 980 was set up as a RCA during the truck decontamination process. Due to potential radioactive material being present above the unrestricted release level, the east end of Building 980 was considered an Impacted area with a survey population to meet Class 1 requirements. Based on the fact that no radioactive contamination above the Appendix A limits was detected on the floors or walls of the area (over 500 measurements), the ceiling of this area, remained classified as Non-Impacted. This is the same classification as the remaining ceiling areas in Building 980 and the ceilings in Buildings 965 and 968.

The west end of Building 980 was considered an Impacted area with a survey population of Class 2 on the floor and walls up to 2 meters. The survey population above 2 meters (excluding the ceiling) met Class 3 requirements. The west end ceiling was considered Non-Impacted since no contamination was found on the floor and walls during characterization surveys.

During In-process characterization surveys internal to Building 980 a high alpha contamination (fixed) area was identified. The alpha contamination was verified to be Thorium and the survey density was, therefore, increased to Impacted Class 1 (see Appendix C). The size of the area shall be large enough to encompass the area of interest. The Thorium activity was expected since tungsten welding rods with natural Thorium were routinely sharpened on a grinder in this area.

Building 968 like Building 980, was used as a warehouse. Used, small hand tools were stored on shelving in the building; however, Building 968 was primarily used to stage new parts. An addition to the south end of the building was used as a vehicle maintenance area. Because Building 968 did not contain a CA and because an extensive baseline survey (over 500 fixed and removable measurements) as well as extensive free release surveys on the shelving did not reveal any contamination present, the survey population of Building 968 was different from Building 980. The entire interior (except ceiling), of Building 968 was surveyed as a Class 3 Impacted area. No distinction was drawn above and below 2 meters due to the extensive number of surveys showing no radioactive material above unrestricted release levels. The Building 968 ceiling was considered a Non-Impacted area.

Building 965 was used for minor vehicle maintenance and as a carpenter shop. The building was later used as a break room for the security force. The potential for radioactive contamination was considered very low. The building's interior survey population was considered as Impacted Class 3. No distinction was drawn above and below 2 meters because of the small area being surveyed.

Fixed radioactive contamination was identified on the exterior of all three buildings (980, 968, and 965).

Because the exterior contamination on Building 980 (reconnaissance level characterization) appeared to be uniform, project personnel made the decision to treat the exterior panels of the building as low-level radioactive waste. Additional surveys were only required as the exterior panels were removed to check the overlapping seams for removable contamination (see Appendix C).

Based on the contamination found on the exterior of Building 980 and the reconnaissance level characterization of Buildings 968 and 965, the survey populations of Buildings 968 and 965 were increased to Impacted Class 1.

Fixed equipment surveys were performed on a random basis to verify that no radioactive contamination was present above the Appendix A limits in the interior of Buildings 965, 968, and 980. A minimum of 30 biased measurements were taken on fixed equipment in Buildings 968 and 980. Only 10 biased measurements were taken in Building 965 due to the minimal equipment present as well as the relative small size of the building.

A minimum of 30 biased fixed and removable measurements were obtained on newly exposed surfaces of the beams on each of the buildings.

**Class 1 Impacted Areas Survey and Sampling Requirements**

**Floors Surveys:**

- One fixed alpha and beta total surface activity measurement for each one square meter.
- One alpha and beta removable activity measurement for each one square meter.
- A 100% alpha and beta scan performed on accessible floor surfaces.

**Walls:**

- One fixed alpha and beta total surface activity measurement for each one square meter.
- One alpha and beta removable activity measurement for each one square meter.
- A 100% beta and alpha scan performed on accessible surfaces.

**Class 2 Affected Areas Survey and Sampling Requirements**

**Floors/Lower Walls below two meters:**

- One fixed alpha and beta total surface activity measurement based on MARSSIM statistical calculations (See Appendix B).
- One alpha and beta removable activity measurement based on MARSSIM statistical calculations (see Appendix B).
- A 50% alpha and beta scan based on total survey surface area performed on selected biased locations.

**Class 3 Unaffected Areas Survey and Sampling Requirements**

**Floors/Walls:**

- One fixed alpha and beta total surface activity measurements for each 50 square meters or 30 measurements, whichever is greater.
- One alpha and beta removable activity measurement for each 50 square meters or 30 measurements, whichever is greater.
- A 10% alpha and beta scan based on total survey surface area performed on selected biased locations.

**How was the survey design be optimized?**

Measurement locations were clearly identified to provide a method of referencing survey results to survey measurement locations. Gridding was used for the floors and walls for areas with Affected/Impacted final classification only. Grids were marked by markers and/or labels at grid locations. In areas where gridding was not practical or cost effective, measurement locations were marked with labels and delineated on maps as directed by Radiological Engineering.

**Were data quantity and quality assurance (QA) requirements for sampling reviewed and incorporated into the survey process?**

QA was addressed in Section 8.0 of this CR. The survey reports were prepared and reviewed in accordance with RFETS procedures.

# 8.0 RESPONSIBILITIES

## 8.1 PROJECT MANAGER

The Project Manager was responsible for reviewing and approving the Building 980 Cluster decommissioning project CRSP and CR.

## 8.2 DECOMMISSIONING RADIOLOGICAL ENGINEER

The Decommissioning Radiological Engineer was responsible to:

Evaluate the project structures and appropriately classify the areas for survey.

- Develop overall technical aspects, planning, and scheduling for implementation of the Close-Out Radiological Survey.
- Define the content and ensure preparation of the Building 980 Cluster decommissioning project Close-Out Radiological Survey Report (CRSR).
- Resolve issues regarding survey layout and gridding requirements.
- Review surveys and sample analysis results for completeness, accuracy, and legibility.

## 8.3 RADIOLOGICAL ENGINEER

The Radiological Engineer was responsible to:

- Review and approve the Building 980 Cluster decommissioning project CRSP and CR.
- Ensure that the Close-Out Radiological Survey was developed and consistent with RFETS requirements.
- Review survey data for completeness, accuracy, and legibility. Ensure discrepancies in survey data were identified and corrected.
- Assist with the preparation of the CRSR.
- Preparation and approval of the Property Release Evaluation (PRE).
- Ensure that appropriate background levels were applied.

### 8.4 RADIOLOGICAL CONTROL TECHNICIANS

The Radiological Control Technicians (RCTs) were responsible to:

- Perform surveys in accordance with this plan, approved RFETS procedures, and direction provided by the Radiological Engineer.
- Provide complete, accurate, and legible documentation for all surveys performed.

## 9.0 QUALITY ASSURANCE (QA)

### 9.1 RADIOLOGICAL SURVEY DOCUMENTATION

Records of the survey were maintained in a survey package. The survey package was the primary method of controlling and tracking close-out radiological survey results. The records compiled in the survey package included:

- Completed Contamination Survey Results (Fixed and Removable)
- Completed PREs
- Survey Area Diagrams/Maps
- Printout Of Smear Survey Analysis
- Laboratory Analysis Results
- Data Analysis Summary

## 10.0 REPORTING SURVEY FINDINGS

A summary of the following measurement results and overall conclusions showing that the building surfaces met the release criteria is provided in Appendix C. In addition, copies of the actual survey results for the buildings are included.

- Total Surface Beta-Gamma Activity
- Total Surface Alpha Activity
- Removable Surface Beta-Gamma Activity
- Removable Surface Alpha Activity

## 11.0 WASTE DISPOSITION

| Sanitary Waste (cubic yards) | Recycled Non-radioactive Waste (pounds) | Recycled Radioactive Waste (pounds) |
|---|---|---|
| 180 | 203,000 | 92,000 |

# 12.0 UTILITY CONFIGURATION

## 12.1 ELECTRIC POWER

The electric power to Buildings 980, 968, and 965 was isolated at the pole mounted cutout fuses located on pole #C6-673B. All electrical conduit, wiring, and transformers down stream of this point were removed. Power poles #C6-673A, #C7-652, and #C7-652A were cut off at ground level and removed. Transformer T-980 was also removed. Power was the only utility supplied to building 965.

## 12.2 SANITARY SEWER

Sanitary sewer lines exist in the slab in Buildings 980 and 968. These lines were dammed approximately 6 inches below ground level and grouted shut.

## 12.3 FIRE WATER

The fire system entered the slab in both Buildings 968 and 980. The line at Building 968 is isolated at the Post Indicator Valve #C6-3R. The line at Building 980 is isolated at the Post Indicator Valve #C6-17R. At the slab, these lines were dammed approximately 5 feet below grade. The line was filled with an open cell foam to the surface and then capped.

## 12.4 DOMESTIC WATER

The domestic water was isolated by another project at a valve near Building 779. The lines penetrating the slab at Buildings 980 and 968 were dammed approximately 6 inches below grade and filled with grout.

## 12.5 NATURAL GAS

Natural gas service to Buildings 968 and 980 was terminated at the tee off the main header to both buildings. The valve was tagged "out-of-service" and a blind flange and gasket were installed on the down stream side of the valve.

# 13.0 REFERENCES

Draft NUREG/CR5849 - *Manual For Conducting Radiological Surveys In Support Of License Termination (Draft)*

MARSSIM - *Multi-Agency Radiation Survey And Site Investigation Manual (Draft)*

Site Procedure 4-K62-ROI-03.01, *Performance Of Surface Contamination Surveys*

Site Procedure 4-S23-ROI-03.02, *Radiological Requirements For Unrestricted Release*

Site Procedure 4-Q97-REP-1003, *Radiological Evaluation For Unrestricted Release Of Property/Waste*

Site Procedure I-P73-HSP-18.10, *Radioactive Material Transfer And Unrestricted Release Of Property And Waste*

*Reconnaissance Level Characterization Report For The Building 980 Trailer Removal Project,* August 1997

*Decommissioning Program Plan, Draft,* July 1997

DOE, 1996, *Final Rocky Flats Cleanup Agreement*, RFETS, Golden, CO

*Decommissioning Characterization Protocols*

L-6294-A *Sampling Within An RBA/CA*

*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods/* U.S. EPA SW 846, 1986, Third Edition

# Appendix A

## Summary Of Contamination Values

## For Unrestricted Release

***Summary Of Contamination Values For Unrestricted Release***

| **RADIONUCLIDE** (1) | **Average Total (Fixed + Removable) Contamination dpm/100 cm² (2), (3), (4)** | **Maximum Total (Fixed + Removable) dpm/100 cm² (2),(4), (5)** | **Removable dpm/100 cm² (2), (4), (6)** |
|---|---|---|---|
| Transuranics, $Ra^{-226}$, $Ra^{-228}$, $Th^{-228}$, $Pa^{-231}$, $Ac^{-227}$, $I^{-125}$, $I^{-129}$ | 100 | 300 | 20 |
| Th-Natural, $Th^{-232}$, $Sr^{-90}$, $Ra^{-223}$, $Ra^{-224}$, $U^{-232}$, $I^{-131}$, $I^{-133}$ | 1,000 | 3,000 | 200 |
| U-Natural, U-235, U-238, and associated decay products, alpha emitters | 5,000 | 15,000 | 1,000 |
| Beta-gamma emitters (radionuclides with decay modes other than alpha emission or spontaneous fission) except $Sr^{-90}$ and others noted above (7) | 5,000 | 15,000 | 1,000 |

NOTES:

(1) Where surface contamination by both alpha and beta-gamma emitting radionuclides exists, the limits established for alpha and beta-gamma emitting radionuclides should apply independently.

(2) As used in this table, disintegrations per minute (dpm) is defined as the rate of emission by radioactive material as determined by correcting the counts per minute measured by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

(3) Measurements of average contamination should not be averaged over an area of more than 1 meter². For objects with a total surface area of less than 1 meter², the average should be derived for each object.

(4) The average and maximum dose rates associated with surface contamination resulting from beta-gamma emitters should not exceed 0.2 mRad/hour and 1.0 mRad/hour, respectively at 1 cm.

(5) The maximum contamination level applies to an area of not more than 100 cm².

(6) The amount of removable material per 100 cm² of surface area should be determined by wiping an area of that size with a dry filter of soft absorbent paper, applying moderate pressure, and measuring the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of surface area less than 100 cm² is determined, the activity per unit area should be based on the actual area and the entire surface should be wiped. Except for transuranics and $Ra^{-228}$, $Ac^{-227}$, $Th^{-228}$, $Th^{-230}$, $Pa^{-231}$, and alpha emitters, it is not necessary to use swiping techniques to measure removable contamination levels if direct scan surveys indicate the total residual surface contamination levels are within the limits for removable contamination.

(7) This category of radionuclides includes mixed fission products, including the $Sr^{-90}$ which is present in them. It does not apply to $Sr^{-90}$ which has been separated from the other fission products or mixtures where the $Sr^{-90}$ has been enriched.

# Appendix B

## Radiological Survey Instrumentation

***Radiological Survey Instrumentation***

| Instrument | Count Type | Allowable Background Counts | Acceptable Application | MDA (dpm/100 $cm^2$) |
|---|---|---|---|---|
| Bicron w/ A100 Probe | 60 sec. (alpha) | 2 | Direct Alpha Surveys (Total Alpha Activity) | 55 |
| Bicron w/ B50 Probe | 60 sec. (beta) | 250 | Direct Beta Surveys (Total Beta Activity) | 610 |
| NE Electra w/ DP6 Probe | 60 sec. (alpha)<br>60 sec. (beta) | 2<br>700 | Direct Alpha Surveys (Total Activity)<br>Direct Beta Surveys (Total Activity) | 60<br>455 |
| SAC-4 | 60 sec. (alpha) | 1 | Removable Alpha Swipes | 18 |
| LB-5100W | 60 sec.* (alpha)<br>60 sec. (beta) | 0.5<br>4 | Simultaneous Removable Alpha and Beta Swipes | 20* (alpha)<br>35 (beta) |
| BC-4 | 60 sec. (beta) | 200 | Removable Beta Swipes | 205 |

*For smears counted on the Tennelec LB-5100W, this 60 second count time was increased to assure that the MDA is a fraction of the unrestricted release criteria for gross alpha contamination.

# Appendix C

## Radiological Survey Data

## Radiological Survey Data

### Summary Of Building 980 Cluster Survey Data

| Survey Area | Surface Area ($m^2$) | Removable Survey Measurements | Fixed Survey Measurements | % Scan |
|---|---|---|---|---|
| 965 Interior | 186 | 33 | 43 | 10 |
| 965 Fixed Equipment | N/A | 10 | 10 | N/A |
| 965 Newly Exposed Beams | N/A | 32 | 32 | N/A |
| 968 Interior (Baseline) | N/A | 500 | 500 | N/A |
| 968 Interior | 1947 | 94 | 94 | 10 |
| 968 Central Wall | 124 | 124 | 124 | 100 |
| 968 Fixed Equipment | N/A | 30 | 30 | N/A |
| 968 Newly Exposed Beams | N/A | 34 | 34 | N/A |
| 980 Interior (Sections 1-5) | 2100 | 320 | 320 | 50/10* |
| 980 Interior (Thorium Affected Area) | 48 | 48 | 48 | 100 |
| 980 Interior (Section 6) | 582 | 582 | 582 | 100 |
| 980 Fixed Equipment(Section 1 - 5) | N/A | 60 | 60 | N/A |
| 980 Fixed Equipment(Section 6) | N/A | 20 | 20 | N/A |
| 980 Newly Exposed Beams | N/A | 42 | 42 | N/A |

* 50% on floor and lower walls, 10% on upper walls

**Non-Impacted Areas Survey and Sampling Requirements**

- No surveys required

**What was the expected range of the parameter of interest?**

All parameter values were expected to be less than the unrestricted release criteria outlined in Appendix A.

**Define both types of decision errors (false negative and false positive)?**

False negative (Type 1) errors occur when a detector's response is below the unrestricted release criteria when, in fact, radioactive material is present above the unrestricted release criteria.

False positive (Type 2) errors occur when a detector's response is above the unrestricted release criteria when, in fact, radioactive material is not present above the unrestricted release criteria.

**What are the potential consequences of an incorrect decision?**

For false negative errors, area/material would be released in an unrestricted manner when it should not be released in an unrestricted manner.

For false positive errors, area/material would not be released in an unrestricted manner when it should be released in an unrestricted manner.

**What are the limits on decision errors?**

The instrumentation listed in Appendix B was used to perform all radiological surveys. The MDA of the instruments used to perform the surveys required in this CRSP were a fraction of the unrestricted release criteria outlined in Appendix A. A goal was to have the MDA of the instruments at or below 50% of the unrestricted release criteria.

The use of these instruments with their associated MDAs, below the unrestricted release criteria, assured that false negative and false positive errors were minimized.

**STEP 7**

**What method was used to obtain the desired information?**

The survey methods utilized were in conformance with the following RFETS procedures:

| | |
|---|---|
| 4-K62-ROI-03.01 | *Performance of Surface Contamination Surveys* |
| 4-S23-ROI-03.02 | *Radiological Requirements for Unrestricted Release* |
| 4-Q97-REP-1003 | *Radiological Evaluation for Unrestricted Release of Property/Waste* |
| 1-P73-HSP-18.10 | *Radioactive Material Transfer and Unrestricted Release of Property and Waste* |

**What level of worker protection was required to perform survey and other work in the facility, structure, or environs?**

Standard industrial safety practices were utilized. Worker personnel protection clothing was identified in the Activity Hazard Analysis (AHA) and Radiological Work Permit, if required. Safety glasses, safety shoes, and leather gloves were required by the task AHA. No removable radioactive contamination was identified on the surfaces being surveyed; therefore, no radiological protection was required.

## Data Summary of Interior of Building 965

**Survey Date:** 6/13/97 Interior walls and fixed equipment

| Location Number | Location/Description | Alpha Smear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Wall | <18 | <205 | <55 | <610 | |
| 2 | Wall | <18 | <205 | <55 | <610 | |
| 3 | Wall | <18 | <205 | 57 | <610 | |
| 4 | Wall | <18 | <205 | <55 | <610 | |
| 5 | Wall | <18 | <205 | <55 | <610 | |
| 6 | Wall | <18 | <205 | 63 | <610 | |
| 7 | Wall | <18 | <205 | <55 | <610 | |
| 8 | Wall | <18 | <205 | 57 | <610 | |
| 9 | Floor | <18 | <205 | 75 | 648 | |
| 10 | Floor | <18 | <205 | <55 | 616 | |
| 11 | Floor | <18 | <205 | <55 | <610 | |
| 12 | Floor | <18 | <205 | <55 | <610 | |
| 25 | Bottom of work bench | <18 | <205 | <55 | <610 | |
| 26 | board | <18 | <205 | <55 | <610 | |
| 27 | paper towel holder | <18 | <205 | <55 | <610 | |
| 28 | cork board | <18 | <205 | <55 | <610 | |
| 29 | heater | <18 | <205 | 57 | <610 | |
| 30 | metal book rack | <18 | <205 | <55 | <610 | |
| 31 | heater | <18 | <205 | <55 | <610 | |
| 32 | cork board | <18 | <205 | <55 | <610 | |
| 33 | top of work bench | <18 | <205 | <55 | <610 | |
| 34 | top of work bench | <18 | <205 | <55 | <610 | |

## Data Summary of Interior of Building 965 (Continued)

**Survey Date:** 7/24/97 Interior walls above false ceiling

| Survey Location | Location/Description | Alpha Smear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Wall | <18 | <205 | <60 | <455 | |
| 2 | Wall | <18 | <205 | <60 | <455 | |
| 3 | Wall | <18 | <205 | <60 | <455 | |
| 4 | Wall | <18 | <205 | <60 | <455 | |
| 5 | Wall | <18 | <205 | <60 | <455 | |
| 6 | Wall | <18 | <205 | <60 | <455 | |
| 7 | Wall | <18 | <205 | <60 | <455 | |
| 8 | Wall | <18 | <205 | <60 | <455 | |
| 9 | Wall | <18 | <205 | <60 | <455 | |
| 10 | Wall | <18 | <205 | <60 | <455 | |
| 11 | Wall | <18 | <205 | <60 | <455 | |

**Survey Dates:** 6/30/97 and 9/10/97 Interior walls during 10% scan

| Survey Location | Location/Description | Alpha Smear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 17 | Floor | N/A | N/A | <60 | <455 | |
| 18 | Floor | <18 | <205 | <60 | <455 | |
| 19 | Floor | <18 | <205 | <60 | <455 | |
| 20 | Floor | N/A | N/A | <60 | <455 | |
| 21 | North Wall | N/A | N/A | <60 | <455 | |
| 22 | North Wall | N/A | N/A | <60 | <455 | |
| 23 | North Wall | <18 | <205 | <60 | <455 | |
| 24 | North Wall | <18 | <205 | <60 | <455 | |
| 25 | West Wall | N/A | N/A | <60 | <455 | |
| 26 | West Wall | N/A | N/A | <60 | <455 | |
| 27 | West Wall | <18 | <205 | <60 | <455 | |
| 28 | West Wall | <18 | <205 | <60 | <455 | |
| 29 | South Wall | <18 | <205 | <60 | <455 | |
| 30 | South Wall | N/A | N/A | <60 | <455 | |
| 31 | South Wall | N/A | N/A | <60 | <455 | |
| 32 | South Wall | <18 | <205 | <60 | <455 | |
| 33 | East Wall | <18 | <205 | <60 | <455 | |
| 34 | East Wall | N/A | N/A | <60 | <455 | |
| 35 | East Wall | N/A | N/A | <60 | <455 | |
| 36 | East Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 965 (Continued)

**Survey Date:** 9/19/97 Beam surfaces after exterior panel removal

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | West side of bldg | <18 | <205 | <60 | <455 | |
| 2 | West side of bldg | <18 | <205 | <60 | <455 | |
| 3 | West side of bldg | <18 | <205 | <60 | <455 | |
| 4 | West side of bldg | <18 | <205 | <60 | <455 | |
| 5 | West side of bldg | <18 | <205 | <60 | <455 | |
| 6 | West side of bldg | <18 | <205 | <60 | <455 | |
| 7 | West side of bldg | <18 | <205 | <60 | <455 | |
| 8 | West side of bldg | <18 | <205 | <60 | <455 | |
| 9 | South side of bldg | <18 | <205 | <60 | <455 | |
| 10 | South side of bldg | <18 | <205 | <60 | <455 | |
| 11 | South side of bldg | <18 | <205 | <60 | <455 | |
| 12 | South side of bldg | <18 | <205 | <60 | <455 | |
| 13 | South side of bldg | <18 | <205 | <60 | <455 | |
| 14 | South side of bldg | <18 | <205 | <60 | <455 | |
| 15 | South side of bldg | <18 | <205 | <60 | <455 | |
| 16 | South side of bldg | <18 | <205 | <60 | <455 | |
| 17 | East side of bldg | <18 | <205 | <60 | <455 | |
| 18 | East side of bldg | <18 | <205 | <60 | <455 | |
| 19 | East side of bldg | <18 | <205 | <60 | <455 | |
| 20 | East side of bldg | <18 | <205 | <60 | <455 | |
| 21 | East side of bldg | <18 | <205 | <60 | <455 | |
| 22 | East side of bldg | <18 | <205 | <60 | <455 | |
| 23 | East side of bldg | <18 | <205 | <60 | <455 | |
| 24 | East side of bldg | <18 | <205 | <60 | <455 | |
| 25 | North side of bldg | <18 | <205 | <60 | <455 | |
| 26 | North side of bldg | <18 | <205 | <60 | <455 | |
| 27 | North side of bldg | <18 | <205 | <60 | <455 | |
| 28 | North side of bldg | <18 | <205 | <60 | <455 | |
| 29 | North side of bldg | <18 | <205 | <60 | <455 | |
| 30 | North side of bldg | <18 | <205 | <60 | <455 | |
| 31 | North side of bldg | <18 | <205 | <60 | <455 | |
| 32 | North side of bldg | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980

**Survey Date:** 6/12/97 Floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 2 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 3 | Section 1 Floor | <18 | <205 | <60 | 585 | |
| 4 | Section 1 Floor | <18 | <205 | <60 | 1065 | |
| 5 | Section 1 Floor | <18 | <205 | <60 | 645 | |
| 6 | Section 1 Floor | <18 | <205 | <60 | 1068 | |
| 7 | Section 1 Floor | <18 | <205 | <60 | 618 | |
| 8 | Section 1 Floor | <18 | <205 | <60 | 1008 | |
| 9 | Section 1 Floor | <18 | <205 | <60 | 798 | |
| 10 | Section 1 Floor | <18 | <205 | <60 | 1131 | |
| 11 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 12 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 13 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 14 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 15 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 16 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 17 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 18 | Section 1 Wall | <18 | <205 | <60 | <455 | |
| 19 | Section 2 Floor | <18 | <205 | <55 | <610 | |
| 20 | Section 2 Wall | <18 | <205 | <55 | <610 | |
| 21 | Section 2 Wall | <18 | <205 | <55 | <610 | |
| 22 | Section 2 Wall | <18 | <205 | <55 | <610 | |
| 23 | Section 2 Wall | <18 | <205 | <55 | <610 | |
| 24 | Section 3 Wall | <18 | <205 | <60 | <455 | |
| 25 | Section 3 Wall | <18 | <205 | <60 | <455 | |
| 26 | Section 3 Wall | <18 | <205 | <60 | <455 | |
| 27 | Section 3 Wall | <18 | <205 | <60 | <455 | |
| 28 | Section 3 Floor | <18 | <205 | <60 | 1008 | |
| 29 | Section 3 Floor | <18 | <205 | <60 | 927 | |
| 30 | Section 3 Floor | <18 | <205 | <60 | 897 | |
| 31 | Section 3 Floor | <18 | <205 | <60 | 918 | |
| 32 | Section 3 Floor | <18 | <205 | <60 | 840 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 6/12/97 Floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 33 | Section 3 Floor | <18 | <205 | <60 | 900 | |
| 34 | Section 3 Floor | <18 | <205 | <60 | 1023 | |
| 35 | Section 3 Floor | <18 | <205 | <60 | 951 | |
| 36 | Section 3 Wall | <18 | <205 | <60 | 1065 | |
| 37 | Section 3 Wall | <18 | <205 | <60 | 645 | |
| 38 | Section 3 Wall | <18 | <205 | <60 | 1068 | |
| 39 | Section 3 Wall | <18 | <205 | <60 | 618 | |
| 40 | Section 4 Floor | <18 | <205 | <60 | 1008 | |
| 41 | Section 4 Floor | <18 | <205 | <60 | 798 | |
| 42 | Section 4 Floor | <18 | <205 | <60 | 1131 | |
| 43 | Section 4 Floor | <18 | <205 | <60 | <455 | |
| 44 | Section 4 Floor | <18 | <205 | <60 | <455 | |
| 45 | Section 4 Floor | <18 | <205 | <60 | <455 | |
| 46 | Section 4 Floor | <18 | <205 | <60 | <455 | |
| 47 | Section 4 Floor | <18 | <205 | <60 | <455 | |
| 48 | Section 4 Wall | <18 | <205 | <60 | <455 | |
| 49 | Section 4 Wall | <18 | <205 | <60 | <455 | |
| 50 | Section 4 Wall | <18 | <205 | <60 | <455 | |
| 51 | Section 4 Wall | <18 | <205 | <55 | <455 | |
| 52 | Section 4 Wall | <18 | <205 | <55 | <455 | |
| 53 | Section 4 Wall | <18 | <205 | <55 | <455 | |
| 54 | Section 4 Wall | <18 | <205 | <55 | <455 | |
| 55 | Section 4 Wall | <18 | <205 | <55 | <455 | |
| 56 | Section 4 Wall | <18 | <205 | <60 | <455 | |
| 57 | Section 4 Wall | <18 | <205 | <60 | <455 | |
| 58 | Section 5 Floor | <18 | <205 | <55 | <610 | |
| 59 | Section 5 Floor | <18 | <205 | <55 | <610 | |
| 60 | Section 5 Wall | <18 | <205 | <55 | <610 | |
| 61 | Section 5 Wall | <18 | <205 | <55 | <610 | |
| 62 | Section 5 Wall | <18 | <205 | <55 | <610 | |
| 63 | Section 5 Wall | <18 | <205 | <55 | <610 | |
| 64 | Section 5 Wall | <18 | <205 | <55 | <610 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 6/12/97 Floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 65 | Section 5 Wall | <18 | <205 | <55 | <610 | |
| 66 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 67 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 68 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 69 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 70 | Section 4 Floor | <18 | <205 | <55 | <610 | |
| 71 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 72 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 73 | Section 4 Wall | <18 | <205 | <55 | <610 | |
| 74 | Section 4 Floor | <18 | <205 | <60 | 720 | |
| 75 | Section 4 Wall | <18 | <205 | <60 | <610 | |
| 76 | Sink drain | <18 | <205 | <60 | 608 | |
| 77 | Sink drain | <18 | <205 | <60 | 502 | |
| 78 | Sink drain | <18 | <205 | <60 | <455 | |
| 79 | Rack | <18 | <205 | <60 | 622 | |
| 80 | Rack | <18 | <205 | <60 | <455 | |
| 81 | Rack | <18 | <205 | <60 | <455 | |
| 82 | Rack | <18 | <205 | <60 | <455 | |
| 83 | Breaker | <18 | <205 | <60 | <455 | |
| 84 | Downdraft | <18 | <205 | <60 | <455 | |
| 85 | Breaker | <18 | <205 | <60 | <455 | |
| 86 | Compressor | <18 | <205 | <60 | <455 | |
| 87 | Compressor | <18 | <205 | <60 | <455 | |
| 88 | Compressor | <18 | <205 | <60 | <455 | |
| 89 | Compressor | <18 | <205 | <60 | <455 | |
| 90 | Compressor | <18 | <205 | <60 | <455 | |
| 91 | Compressor | <18 | <205 | <60 | <455 | |
| 92 | Compressor | <18 | <205 | <60 | <455 | |
| 93 | Compressor | <18 | <205 | <60 | <455 | |
| 94 | Compressor | <18 | <205 | <60 | <455 | |
| 95 | Compressor | <18 | <205 | <60 | <455 | |
| 96 | Shelves | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 6/12/97 Floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 97 | Shelves | <18 | <205 | <60 | <455 | |
| 98 | Shelves | <18 | <205 | <60 | <455 | |
| 99 | Shelves | <18 | <205 | <60 | <455 | |
| 100 | Shelves | <18 | <205 | <60 | <455 | |
| 101 | Shelves | <18 | <205 | <60 | <455 | |
| 102 | Shelves | <18 | <205 | <60 | <455 | |
| 103 | Shelves | <18 | <205 | <60 | <455 | |
| 104 | Shelves | <18 | <205 | <60 | <455 | |
| 105 | Shelves | <18 | <205 | <60 | <455 | |
| 106 | Shelves | <18 | <205 | <60 | <455 | |
| 107 | Shelves | <18 | <205 | <60 | <455 | |
| 108 | Shelves | <18 | <205 | <60 | <455 | |
| 109 | Breaker | <18 | <205 | <60 | <455 | |

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 2 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 3 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 4 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 5 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 6 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 7 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 8 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 9 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 10 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 11 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 12 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 13 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 14 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 15 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 16 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 17 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 18 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 19 | Section 1 Floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 20 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 21 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 22 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 23 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 24 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 25 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 26 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 27 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 28 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 29 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 30 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 31 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 32 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 33 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 34 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 35 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 36 | Section 1 Floor | <18 | <205 | <60 | <455 | |
| 37 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 38 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 39 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 40 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 41 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 42 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 43 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 44 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 45 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 46 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 47 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 48 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 49 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 50 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 51 | Section 3 floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 52 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 53 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 54 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 55 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 56 | Section 3 floor | <18 | <205 | 80 | <455 | |
| 57 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 58 | Section 3 floor | <18 | <205 | 66 | <455 | |
| 59 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 60 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 61 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 62 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 63 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 64 | Section 3 floor | <18 | <205 | 78 | <455 | |
| 65 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 66 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 67 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 68 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 69 | Section 3 floor | <18 | <205 | <60 | <455 | |
| 70 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 71 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 72 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 73 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 74 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 75 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 76 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 77 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 78 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 79 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 80 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 81 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 82 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 83 | Section 3 wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 84 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 85 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 86 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 87 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 88 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 89 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 90 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 91 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 92 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 93 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 94 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 95 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 96 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 97 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 98 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 99 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 100 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 101 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 102 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 103 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 104 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 105 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 106 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 107 | Section 1 wall | <18 | <205 | <60 | <455 | |
| 108 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 109 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 110 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 111 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 112 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 113 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 114 | Section 3 wall | <18 | <205 | <60 | <455 | |
| 115 | Section 4 wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 116 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 117 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 118 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 119 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 120 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 121 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 122 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 123 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 124 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 125 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 126 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 127 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 128 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 129 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 130 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 131 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 132 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 133 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 134 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 135 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 136 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 137 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 138 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 139 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 140 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 141 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 142 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 143 | Section 4 floor | <18 | <205 | <60 | <455 | |
| 144 | Section 4 floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 148 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 149 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 150 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 151 | Section 4 wall | <18 | <205 | 600* | <455 | |
| 152 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 153 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 154 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 155 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 156 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 157 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 158 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 159 | Section 4 wall | <18 | <205 | <60 | <455 | |
| 160 | Section 5 floor | <18 | <205 | <60 | <455 | |
| 161 | Section 5 floor | <18 | <205 | <60 | <455 | |
| 162 | Section 5 floor | <18 | <205 | <60 | <455 | |
| 163 | Section 5 floor | <18 | <205 | <60 | <455 | |
| 164 | Section 5 floor | <18 | <205 | <60 | <455 | |
| 165 | Section 5 floor | <18 | <205 | <60 | <455 | |
| 166 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 167 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 168 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 169 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 170 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 171 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 172 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 173 | Section 5 wall | <18 | <205 | <60 | <455 | |
| 174 | Section 2 floor | <18 | <205 | <60 | <455 | |
| 175 | Section 2 floor | <18 | <205 | <60 | <455 | |
| 176 | Section 2 floor | <18 | <205 | <60 | <455 | |
| 177 | Section 2 floor | <18 | <205 | <60 | <455 | |
| 178 | Section 2 floor | <18 | <205 | <60 | <455 | |
| 179 | Section 2 floor | <18 | <205 | <60 | <455 | |

* Material identified as Thorium - 5,000 dpm/100 cm² average/15,000 dpm/100 cm² maximum limits apply

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 180 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 181 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 182 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 183 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 184 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 185 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 186 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 187 | Section 2 wall | <18 | <205 | <60 | <455 | |
| 188 | Section 4 bathroom floor | <18 | <205 | <60 | <455 | |
| 189 | Section 4 bathroom floor | <18 | <205 | <60 | <455 | |
| 190 | Section 4 bathroom floor | <18 | <205 | <60 | <455 | |
| 191 | Section 4 bathroom floor | <18 | <205 | <60 | <455 | |
| 192 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 193 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 194 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 195 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 196 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 197 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 198 | Section 4 bathroom wall | <18 | <205 | <60 | <455 | |
| 199 | Section 4 office floor | <18 | <205 | <60 | <455 | |
| 200 | Section 4 office floor | <18 | <205 | <60 | <455 | |
| 201 | Section 4 office floor | <18 | <205 | <60 | <455 | |
| 202 | Section 4 office floor | <18 | <205 | <60 | <455 | |
| 203 | Section 4 office floor | <18 | <205 | <60 | <455 | |
| 204 | Section 4 office floor | <18 | <205 | <60 | <455 | |
| 205 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 206 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 207 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 208 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 209 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 210 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 211 | Section 4 office wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 50% scan w/ fixed points on floor and wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 212 | Section 4 office wall | <18 | <205 | <60 | <455 | |
| 213 | Section 3 bathroom floor | <18 | <205 | <60 | <455 | |
| 214 | Section 3 bathroom wall | <18 | <205 | <60 | <455 | |
| 215 | Section 3 bathroom wall | <18 | <205 | <60 | <455 | |
| 216 | Section 3 bathroom wall | <18 | <205 | <60 | <455 | |
| 217 | Section 3 bathroom wall | <18 | <205 | <60 | <455 | |
| 218 | Section 3 office wall | <18 | <205 | <60 | <455 | |
| 219 | Section 3 office floor | <18 | <205 | <60 | <455 | |
| 220 | Section 3 office floor | <18 | <205 | <60 | <455 | |
| 221 | Section 3 office wall | <18 | <205 | <60 | <455 | |
| 222 | Section 3 office wall | <18 | <205 | <60 | <455 | |
| 223 | Section 3 office wall | <18 | <205 | <60 | <455 | |

**Survey Date:** 7/29/97 10% scan w/ fixed points on upper wall surfaces Sections 1 - 5

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Six foot overhead light | <18 | <205 | <60 | <455 | |
| 2 | overhead dock door | <18 | <205 | <60 | <455 | |
| 3 | red steel pipe | <18 | <205 | <60 | <455 | |
| 4 | top of heater duct | <18 | <205 | <60 | <455 | |
| 5 | top of metal overhang | <18 | <205 | <60 | <455 | |
| 6 | cross beam | <18 | <205 | <60 | <455 | |
| 7 | mercury light | <18 | <205 | <60 | <455 | |
| 8 | hoist beam | <18 | <205 | <60 | <455 | |
| 9 | heater unit | <18 | <205 | <60 | <455 | |
| 10 | support beam | <18 | <205 | <60 | <455 | |
| 11 | metal rail | <18 | <205 | <60 | <455 | |
| 12 | hoist beam | <18 | <205 | <60 | <455 | |
| 13 | eight foot light fixture | <18 | <205 | <60 | <455 | |
| 14 | heater unit | <18 | <205 | <60 | <455 | |
| 15 | cross beam | <18 | <205 | <60 | <455 | |
| 16 | duct work above office | <18 | <205 | <60 | <455 | |
| 17 | top of heater | <18 | <205 | <60 | <455 | |
| 18 | hoist beam | <18 | <205 | <60 | <455 | |
| 19 | duct work | <18 | <205 | <60 | <455 | |
| 20 | duct work | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/29/97 10% scan w/ fixed points on upper wall surfaces Sections 1 - 5

| | | | | | | |
|---|---|---|---|---|---|---|
| 21 | support beam | <18 | <205 | <60 | <455 | |
| 22 | light fixture | <18 | <205 | <60 | <455 | |
| 23 | support beam | <18 | <205 | <60 | <455 | |
| 24 | roof support beam | <18 | <205 | <60 | <455 | |
| 25 | dock door # 8 | <18 | <205 | <60 | <455 | |
| 26 | upper south wall | <18 | <205 | <60 | <455 | |
| 27 | upper south wall | <18 | <205 | <60 | <455 | |
| 28 | dock door # 7 | <18 | <205 | <60 | <455 | |
| 29 | upper south wall | <18 | <205 | <60 | <455 | |
| 30 | upper south wall | <18 | <205 | <60 | <455 | |
| 31 | dock door # 6 | <18 | <205 | <60 | <455 | |
| 32 | duct work above bathroom | <18 | <205 | <60 | <455 | |
| 33 | upper wall above office | <18 | <205 | <60 | <455 | |
| 34 | upper door south | <18 | <205 | <60 | <455 | |
| 35 | upper door south | <18 | <205 | <60 | <455 | |
| 36 | upper door south | <18 | <205 | <60 | <455 | |
| 37 | upper north wall | <18 | <205 | <60 | <455 | |
| 38 | upper north wall | <18 | <205 | <60 | <455 | |
| 39 | upper north wall | <18 | <205 | <60 | <455 | |
| 40 | upper north wall | <18 | <205 | <60 | <455 | |
| 41 | upper north wall | <18 | <205 | <60 | <455 | |
| 42 | upper north wall | <18 | <205 | <60 | <455 | |
| 43 | dock door # 9 | <18 | <205 | <60 | <455 | |
| 44 | upper north wall | <18 | <205 | <60 | <455 | |
| 45 | upper north wall | <18 | <205 | <60 | <455 | |
| 46 | upper north wall | <18 | <205 | <60 | <455 | |
| 47 | upper north wall | <18 | <205 | <60 | <455 | |
| 48 | upper north wall | <18 | <205 | <60 | <455 | |

**Survey Date:** 8/12/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Floor | <18 | <205 | 66 | 756 | |
| 2 | Floor | <18 | <205 | <60 | 645 | |
| 3 | Floor | <18 | <205 | <60 | 666 | |
| 4 | Floor | <18 | <205 | <60 | 549 | |
| 5 | Floor | <18 | <205 | <60 | 540 | |
| 6 | Floor | <18 | <205 | <60 | <455 | |
| 7 | Floor | <18 | <205 | <60 | 540 | |
| 8 | Floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 9 | Floor | <18 | <205 | <60 | 513 | |
| 10 | Floor | <18 | <205 | <60 | <455 | |
| 11 | Floor | <18 | <205 | <60 | 618 | |
| 12 | Floor | <18 | <205 | <60 | 570 | |
| 13 | Floor | <18 | <205 | <60 | 846 | |
| 14 | Floor | <18 | <205 | <60 | 780 | |
| 15 | Floor | <18 | <205 | <60 | 951 | |
| 16 | Floor | <18 | <205 | <60 | 1057 | |
| 17 | Floor | <18 | <205 | <60 | 834 | |
| 18 | Floor | <18 | <205 | <60 | 897 | |
| 19 | Floor | <18 | <205 | <60 | 732 | |
| 20 | Floor | <18 | <205 | <60 | 840 | |
| 21 | Floor | <18 | <205 | <60 | 1038 | |
| 22 | Floor | <18 | <205 | <60 | 846 | |
| 23 | Floor | <18 | <205 | <60 | 1044 | |
| 24 | Floor | <18 | <205 | <60 | 576 | |
| 25 | Floor | <18 | <205 | <60 | <455 | |
| 26 | Floor | <18 | <205 | <60 | 975 | |
| 27 | Floor | <18 | <205 | <60 | 1188 | |
| 28 | Floor | <18 | <205 | <60 | 996 | |
| 29 | Floor | <18 | <205 | <60 | 972 | |
| 30 | Floor | <18 | <205 | <60 | 857 | |
| 31 | Floor | <18 | <205 | <60 | 696 | |
| 32 | Floor | <18 | <205 | <60 | 774 | |
| 33 | Floor | <18 | <205 | <60 | 999 | |
| 34 | Floor | <18 | <205 | <60 | 954 | |
| 35 | Floor | <18 | <205 | <60 | 810 | |
| 36 | Floor | <18 | <205 | <60 | 837 | |
| 37 | Floor | <18 | <205 | <60 | 519 | |
| 38 | Floor | <18 | <205 | <60 | <455 | |
| 39 | Floor | <18 | <205 | <60 | 612 | |
| 40 | Floor | <18 | <205 | <60 | 675 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 41 | Floor | <18 | <205 | <60 | 717 | |
| 42 | Floor | <18 | <205 | <60 | 540 | |
| 43 | Floor | <18 | <205 | <60 | 513 | |
| 44 | Floor | <18 | <205 | <60 | <455 | |
| 45 | Floor | <18 | <205 | <60 | <455 | |
| 46 | Floor | <18 | <205 | <60 | <455 | |
| 47 | Floor | <18 | <205 | <60 | 627 | |
| 48 | Floor | <18 | <205 | <60 | 612 | |
| 49 | Floor | <18 | <205 | <60 | 546 | |
| 50 | Floor | <18 | <205 | <60 | 462 | |
| 51 | Floor | <18 | <205 | <60 | <455 | |
| 52 | Floor | <18 | <205 | <60 | <455 | |
| 53 | Floor | <18 | <205 | <60 | <455 | |
| 54 | Floor | <18 | <205 | <60 | <455 | |
| 55 | Floor | <18 | <205 | <60 | <455 | |
| 56 | Floor | <18 | <205 | <60 | 768 | |
| 57 | Floor | <18 | <205 | <60 | 633 | |
| 58 | Floor | <18 | <205 | <60 | 731 | |
| 59 | Floor | <18 | <205 | <60 | 564 | |
| 60 | Floor | <18 | <205 | <60 | <455 | |
| 61 | Floor | <18 | <205 | <60 | 813 | |
| 62 | Floor | <18 | <205 | <60 | 768 | |
| 63 | Floor | <18 | <205 | <60 | 621 | |
| 64 | Floor | <18 | <205 | <60 | 813 | |
| 65 | Floor | <18 | <205 | 60 | 567 | |
| 66 | Floor | <18 | <205 | <60 | 672 | |
| 67 | Floor | <18 | <205 | <60 | <455 | |
| 68 | Floor | <18 | <205 | <60 | <455 | |
| 69 | Floor | <18 | <205 | <60 | <455 | |
| 70 | Floor | <18 | <205 | <60 | <455 | |
| 71 | Floor | <18 | <205 | <60 | <455 | |
| 72 | Floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 73 | Floor | <18 | <205 | <60 | 591 | |
| 74 | Floor | <18 | <205 | <60 | <455 | |
| 75 | Floor | <18 | <205 | <60 | <455 | |
| 76 | Floor | <18 | <205 | <60 | 537 | |
| 77 | Floor | <18 | <205 | <60 | 471 | |
| 78 | Floor | <18 | <205 | <60 | <455 | |
| 79 | Floor | <18 | <205 | <60 | <455 | |
| 80 | Floor | <18 | <205 | <60 | <455 | |
| 81 | Floor | <18 | <205 | <60 | 651 | |
| 82 | Floor | <18 | <205 | <60 | 612 | |
| 83 | Floor | <18 | <205 | <60 | 534 | |
| 84 | Floor | <18 | <205 | <60 | 765 | |
| 85 | Floor | <18 | <205 | <60 | 987 | |
| 86 | Floor | <18 | <205 | <60 | 768 | |
| 87 | Floor | <18 | <205 | <60 | <455 | |
| 88 | Floor | <18 | <205 | <60 | <455 | |
| 89 | Floor | <18 | <205 | <60 | <455 | |
| 90 | Floor | <18 | <205 | <60 | <455 | |
| 91 | Floor | <18 | <205 | <60 | <455 | |
| 92 | Floor | <18 | <205 | <60 | 532 | |
| 93 | Floor | <18 | <205 | <60 | 726 | |
| 94 | Floor | <18 | <205 | <60 | 732 | |
| 95 | Floor | <18 | <205 | <60 | 495 | |
| 96 | Floor | <18 | <205 | <60 | 555 | |
| 97 | Floor | <18 | <205 | <60 | 960 | |
| 98 | Floor | <18 | <205 | <60 | 933 | |
| 99 | Floor | <18 | <205 | <60 | 810 | |
| 100 | Floor | <18 | <205 | <60 | 777 | |
| 101 | Floor | <18 | <205 | <60 | 960 | |
| 102 | Floor | <18 | <205 | <60 | 723 | |
| 103 | Floor | <18 | <205 | <60 | 699 | |
| 104 | Floor | <18 | <205 | <60 | 633 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 105 | Floor | <18 | <205 | <60 | 672 | |
| 106 | Floor | <18 | <205 | <60 | 621 | |
| 107 | Floor | <18 | <205 | <60 | 640 | |
| 108 | Floor | <18 | <205 | <60 | 693 | |
| 109 | Floor | <18 | <205 | <60 | 732 | |
| 110 | Floor | <18 | <205 | <60 | 690 | |
| 111 | No survey this point | N/A | N/A | N/A | N/A | |
| 112 | Floor | <18 | <205 | <60 | 609 | |
| 113 | Floor | <18 | <205 | <60 | 513 | |
| 114 | Floor | <18 | <205 | <60 | 594 | |
| 115 | Floor | <18 | <205 | <60 | 504 | |
| 116 | Floor | <18 | <205 | <60 | 495 | |
| 117 | Floor | <18 | <205 | <60 | 618 | |
| 118 | Floor | <18 | <205 | <60 | 831 | |
| 119 | Floor | <18 | <205 | <60 | 567 | |
| 120 | Floor | <18 | <205 | <60 | 747 | |
| 121 | Floor | <18 | <205 | <60 | 717 | |
| 122 | Floor | <18 | <205 | <60 | 729 | |
| 123 | Floor | <18 | <205 | <60 | 750 | |
| 124 | Floor | <18 | <205 | <60 | 642 | |
| 125 | Floor | <18 | <205 | <60 | 864 | |
| 126 | Floor | <18 | <205 | <60 | 948 | |
| 127 | Floor | <18 | <205 | <60 | 759 | |
| 128 | Floor | <18 | <205 | <60 | 846 | |
| 129 | Floor | <18 | <205 | <60 | 776 | |
| 130 | Floor | <18 | <205 | <60 | 918 | |
| 131 | Floor | <18 | <205 | <60 | 573 | |
| 132 | Floor | <18 | <205 | <60 | 1008 | |
| 133 | Floor | <18 | <205 | <60 | 1167 | |
| 134 | Floor | <18 | <205 | <60 | 938 | |
| 135 | Floor | <18 | <205 | <60 | 609 | |
| 136 | Floor | <18 | <205 | <60 | 744 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 137 | Floor | <18 | <205 | <60 | 468 | |
| 138 | Floor | <18 | <205 | <60 | 696 | |
| 139 | Floor | <18 | <205 | <60 | 639 | |
| 140 | Floor | <18 | <205 | <60 | 732 | |
| 141 | Floor | <18 | <205 | <60 | 735 | |
| 142 | Floor | <18 | <205 | <60 | 753 | |
| 143 | Floor | <18 | <205 | <60 | 525 | |
| 144 | Floor | <18 | <205 | <60 | 987 | |
| 145 | Floor | <18 | <205 | <60 | 960 | |
| 146 | Floor | <18 | <205 | <60 | 879 | |
| 147 | Floor | <18 | <205 | <60 | 771 | |
| 148 | Floor | <18 | <205 | <60 | 711 | |
| 149 | Floor | <18 | <205 | <60 | 810 | |
| 150 | Floor | <18 | <205 | <60 | 720 | |
| 151 | Floor | <18 | <205 | <60 | 825 | |
| 152 | Floor | <18 | <205 | <60 | 1005 | |
| 153 | Floor | <18 | <205 | <60 | 909 | |
| 154 | Floor | <18 | <205 | <60 | 765 | |
| 155 | Floor | <18 | <205 | <60 | 867 | |
| 156 | Floor | <18 | <205 | <60 | 849 | |
| 157 | Floor | <18 | <205 | <60 | 885 | |
| 158 | Floor | <18 | <205 | <60 | 1008 | |
| 159 | Floor | <18 | <205 | <60 | 909 | |
| 160 | Floor | <18 | <205 | <60 | 651 | |
| 161 | Floor | <18 | <205 | <60 | 783 | |
| 162 | Floor | <18 | <205 | <60 | 579 | |
| 163 | Floor | <18 | <205 | <60 | 681 | |
| 164 | Floor | <18 | <205 | <60 | 672 | |
| 165 | Floor | <18 | <205 | <60 | 561 | |
| 166 | Floor | <18 | <205 | <60 | 684 | |
| 167 | Floor | <18 | <205 | <60 | 778 | |
| 168 | Floor | <18 | <205 | <60 | 597 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 169 | Floor | <18 | <205 | <60 | 507 | |
| 170 | Floor | <18 | <205 | <60 | 996 | |
| 171 | Floor | <18 | <205 | <60 | 567 | |
| 172 | Floor | <18 | <205 | <60 | 657 | |
| 173 | Floor | <18 | <205 | <60 | 630 | |
| 174 | Floor | <18 | <205 | <60 | 783 | |
| 175 | Floor | <18 | <205 | <60 | 591 | |
| 176 | Floor | <18 | <205 | <60 | <455 | |
| 177 | Floor | <18 | <205 | <60 | 850 | |
| 178 | Floor | <18 | <205 | <60 | 750 | |
| 179 | Floor | <18 | <205 | <60 | 750 | |
| 180 | Floor | <18 | <205 | <60 | 873 | |
| 181 | Floor | <18 | <205 | <60 | 825 | |
| 182 | Floor | <18 | <205 | <60 | 843 | |
| 183 | Floor | <18 | <205 | <60 | 906 | |
| 184 | Floor | <18 | <205 | <60 | 624 | |
| 185 | Floor | <18 | <205 | <60 | 612 | |
| 186 | Floor | <18 | <205 | <60 | 579 | |
| 187 | Floor | <18 | <205 | <60 | 918 | |
| 188 | Floor | <18 | <205 | <60 | 900 | |
| 189 | Floor | <18 | <205 | <60 | 750 | |
| 190 | Floor | <18 | <205 | <60 | 807 | |
| 191 | Floor | <18 | <205 | <60 | 807 | |
| 192 | Floor | <18 | <205 | <60 | 841 | |
| 193 | Floor | <18 | <205 | <60 | 861 | |
| 194 | Floor | <18 | <205 | <60 | 783 | |
| 195 | Floor | <18 | <205 | <60 | 732 | |
| 196 | Floor | <18 | <205 | <60 | 795 | |
| 197 | Floor | <18 | <205 | <60 | 798 | |
| 198 | Floor | <18 | <205 | <60 | 966 | |
| 199 | Floor | <18 | <205 | <60 | 678 | |
| 200 | Floor | <18 | <205 | <60 | 670 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 137 | Floor | <18 | <205 | <60 | 468 | |
| 138 | Floor | <18 | <205 | <60 | 696 | |
| 139 | Floor | <18 | <205 | <60 | 639 | |
| 140 | Floor | <18 | <205 | <60 | 732 | |
| 141 | Floor | <18 | <205 | <60 | 735 | |
| 142 | Floor | <18 | <205 | <60 | 753 | |
| 143 | Floor | <18 | <205 | <60 | 525 | |
| 144 | Floor | <18 | <205 | <60 | 987 | |
| 145 | Floor | <18 | <205 | <60 | 960 | |
| 146 | Floor | <18 | <205 | <60 | 879 | |
| 147 | Floor | <18 | <205 | <60 | 771 | |
| 148 | Floor | <18 | <205 | <60 | 711 | |
| 149 | Floor | <18 | <205 | <60 | 810 | |
| 150 | Floor | <18 | <205 | <60 | 720 | |
| 151 | Floor | <18 | <205 | <60 | 825 | |
| 152 | Floor | <18 | <205 | <60 | 1005 | |
| 153 | Floor | <18 | <205 | <60 | 909 | |
| 154 | Floor | <18 | <205 | <60 | 765 | |
| 155 | Floor | <18 | <205 | <60 | 867 | |
| 156 | Floor | <18 | <205 | <60 | 849 | |
| 157 | Floor | <18 | <205 | <60 | 885 | |
| 158 | Floor | <18 | <205 | <60 | 1008 | |
| 159 | Floor | <18 | <205 | <60 | 909 | |
| 160 | Floor | <18 | <205 | <60 | 651 | |
| 161 | Floor | <18 | <205 | <60 | 783 | |
| 162 | Floor | <18 | <205 | <60 | 579 | |
| 163 | Floor | <18 | <205 | <60 | 681 | |
| 164 | Floor | <18 | <205 | <60 | 672 | |
| 165 | Floor | <18 | <205 | <60 | 561 | |
| 166 | Floor | <18 | <205 | <60 | 684 | |
| 167 | Floor | <18 | <205 | <60 | 778 | |
| 168 | Floor | <18 | <205 | <60 | 597 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 169 | Floor | <18 | <205 | <60 | 507 | |
| 170 | Floor | <18 | <205 | <60 | 996 | |
| 171 | Floor | <18 | <205 | <60 | 567 | |
| 172 | Floor | <18 | <205 | <60 | 657 | |
| 173 | Floor | <18 | <205 | <60 | 630 | |
| 174 | Floor | <18 | <205 | <60 | 783 | |
| 175 | Floor | <18 | <205 | <60 | 591 | |
| 176 | Floor | <18 | <205 | <60 | <455 | |
| 177 | Floor | <18 | <205 | <60 | 850 | |
| 178 | Floor | <18 | <205 | <60 | 750 | |
| 179 | Floor | <18 | <205 | <60 | 750 | |
| 180 | Floor | <18 | <205 | <60 | 873 | |
| 181 | Floor | <18 | <205 | <60 | 825 | |
| 182 | Floor | <18 | <205 | <60 | 843 | |
| 183 | Floor | <18 | <205 | <60 | 906 | |
| 184 | Floor | <18 | <205 | <60 | 624 | |
| 185 | Floor | <18 | <205 | <60 | 612 | |
| 186 | Floor | <18 | <205 | <60 | 579 | |
| 187 | Floor | <18 | <205 | <60 | 918 | |
| 188 | Floor | <18 | <205 | <60 | 900 | |
| 189 | Floor | <18 | <205 | <60 | 750 | |
| 190 | Floor | <18 | <205 | <60 | 807 | |
| 191 | Floor | <18 | <205 | <60 | 807 | |
| 192 | Floor | <18 | <205 | <60 | 841 | |
| 193 | Floor | <18 | <205 | <60 | 861 | |
| 194 | Floor | <18 | <205 | <60 | 783 | |
| 195 | Floor | <18 | <205 | <60 | 732 | |
| 196 | Floor | <18 | <205 | <60 | 795 | |
| 197 | Floor | <18 | <205 | <60 | 798 | |
| 198 | Floor | <18 | <205 | <60 | 966 | |
| 199 | Floor | <18 | <205 | <60 | 678 | |
| 200 | Floor | <18 | <205 | <60 | 670 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 201 | Floor | <18 | <205 | <60 | 690 | |
| 202 | Floor | <18 | <205 | <60 | 792 | |
| 203 | Floor | <18 | <205 | <60 | 870 | |
| 204 | Floor | <18 | <205 | <60 | 1045 | |
| 205 | Floor | <18 | <205 | <60 | 900 | |
| 206 | Floor | <18 | <205 | <60 | 1055 | |
| 207 | Floor | <18 | <205 | <60 | 675 | |
| 208 | Floor | <18 | <205 | <60 | 768 | |
| 209 | Floor | <18 | <205 | <60 | 707 | |
| 210 | Floor | <18 | <205 | <60 | 927 | |
| 211 | Floor | <18 | <205 | <60 | 829 | |
| 212 | Floor | <18 | <205 | <60 | <455 | |
| 213 | Floor | <18 | <205 | <60 | 816 | |
| 214 | Floor | <18 | <205 | <60 | 801 | |
| 1 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 2 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 3 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 4 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 5 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 6 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 7 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 8 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 9 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 10 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 11 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 12 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 13 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 14 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 15 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 16 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 17 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 18 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 19 | Office # 1 Floor | <18 | <205 | <60 | <455 | |
| 20 | Office # 1 Floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 2 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 3 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 4 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 5 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 6 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 7 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 8 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 9 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 10 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 11 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 12 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 13 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 14 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 15 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 16 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 17 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 18 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 19 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 20 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 21 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 22 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 23 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 24 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 25 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 26 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 27 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 28 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 29 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 30 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 31 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 32 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 33 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 34 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 35 | Inside North Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 36 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 37 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 38 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 39 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 40 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 41 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 42 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 43 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 44 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 45 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 46 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 47 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 48 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 49 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 50 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 51 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 52 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 53 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 54 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 55 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 56 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 57 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 58 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 59 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 60 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 61 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 62 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 63 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 64 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 65 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 66 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 67 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 68 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 69 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 70 | Inside North Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 71 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 72 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 73 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 74 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 75 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 76 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 77 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 1 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 2 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 3 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 4 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 5 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 6 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 7 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 8 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 9 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 10 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 11 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 12 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 13 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 14 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 15 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 16 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 17 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 18 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 19 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 20 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 21 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 22 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 23 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 24 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 25 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 26 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 27 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 28 | Inside South Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 29 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 30 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 31 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 32 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 33 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 34 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 35 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 36 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 37 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 38 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 39 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 40 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 41 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 42 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 43 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 44 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 45 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 46 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 47 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 48 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 49 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 50 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 51 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 52 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 53 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 54 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 55 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 56 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 57 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 58 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 59 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 60 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 61 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 62 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 63 | Inside South Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 64 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 65 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 66 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 67 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 68 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 69 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 70 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 71 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 72 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 73 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 74 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 75 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 76 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 77 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 78 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 79 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 80 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 81 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 82 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 83 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 84 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 85 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 86 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 87 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 88 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 89 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 90 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 91 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 92 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 93 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 94 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 95 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 96 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 97 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 98 | Inside South Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 99 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 100 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 101 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 102 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 103 | Inside North Wall | <18 | <205 | 60 | <455 | |
| 104 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 105 | Inside North Wall | <18 | <205 | <60 | <455 | |
| 106 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 107 | Inside South Wall | <18 | <205 | <60 | <455 | |
| 1 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 2 | Inside East Wall | <18 | <205 | <60 | 480 | |
| 3 | Inside East Wall | <18 | <205 | <60 | 570 | |
| 4 | Inside East Wall | <18 | <205 | <60 | 519 | |
| 5 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 6 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 7 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 8 | Inside East Wall | <18 | <205 | <60 | 1056 | |
| 9 | Inside East Wall | <18 | <205 | <60 | 750 | |
| 10 | Inside East Wall | <18 | <205 | <60 | 570 | |
| 11 | Inside East Wall | <18 | <205 | <60 | 621 | |
| 12 | Inside East Wall | <18 | <205 | <60 | 660 | |
| 13 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 14 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 15 | Inside East Wall | <18 | <205 | <60 | 462 | |
| 16 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 17 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 18 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 19 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 20 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 21 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 22 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 23 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 24 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 25 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 26 | Inside East Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 27 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 28 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 29 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 30 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 31 | Inside East Wall | <18 | <205 | 60 | <455 | |
| 32 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 33 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 34 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 35 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 36 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 37 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 38 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 39 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 40 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 41 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 42 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 43 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 44 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 45 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 46 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 47 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 48 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 49 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 50 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 51 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 52 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 53 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 54 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 55 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 56 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 57 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 58 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 59 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 60 | Inside East Wall | <18 | <205 | <60 | <455 | |
| 61 | Inside East Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 2 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 3 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 4 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 5 | OutsideWalls of Office | <18 | <205 | 60 | <455 | |
| 6 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 7 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 8 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 9 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 10 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 11 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 12 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 13 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 14 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 15 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 16 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 17 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 18 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 19 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 20 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 21 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 22 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 23 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 24 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 25 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 26 | OutsideWalls of Office | <18 | <205 | <60 | <455 | |
| 1 | West Wall | <18 | <205 | <60 | <455 | |
| 2 | West Wall | <18 | <205 | <60 | <455 | |
| 9 | West Wall | <18 | <205 | <60 | <455 | |
| 4 | West Wall | <18 | <205 | <60 | <455 | |
| 5 | West Wall | <18 | <205 | <60 | <455 | |
| 6 | West Wall | <18 | <205 | <60 | <455 | |
| 7 | West Wall | <18 | <205 | <60 | <455 | |
| 8 | West Wall | <18 | <205 | <60 | <455 | |
| 9 | West Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 10 | West Wall | <18 | <205 | <60 | <455 | |
| 11 | West Wall | <18 | <205 | <60 | <455 | |
| 12 | West Wall | <18 | <205 | <60 | <455 | |
| 13 | West Wall | <18 | <205 | <60 | <455 | |
| 14 | West Wall | <18 | <205 | 60 | <455 | |
| 15 | West Wall | <18 | <205 | <60 | <455 | |
| 16 | West Wall | <18 | <205 | <60 | <455 | |
| 17 | West Wall | <18 | <205 | <60 | <455 | |
| 18 | West Wall | <18 | <205 | <60 | <455 | |
| 19 | West Wall | <18 | <205 | <60 | <455 | |
| 20 | West Wall | <18 | <205 | <60 | <455 | |
| 21 | West Wall | <18 | <205 | <60 | <455 | |
| 22 | West Wall | <18 | <205 | <60 | <455 | |
| 23 | West Wall | <18 | <205 | <60 | <455 | |
| 24 | West Wall | <18 | <205 | <60 | <455 | |
| 25 | West Wall | <18 | <205 | <60 | <455 | |
| 26 | West Wall | <18 | <205 | <60 | <455 | |
| 27 | West Wall | <18 | <205 | <60 | <455 | |
| 28 | West Wall | <18 | <205 | <60 | <455 | |
| 29 | West Wall | <18 | <205 | <60 | <455 | |
| 30 | West Wall | <18 | <205 | <60 | <455 | |
| 31 | West Wall | <18 | <205 | <60 | <455 | |
| 32 | West Wall | <18 | <205 | <60 | <455 | |
| 33 | West Wall | <18 | <205 | <60 | <455 | |
| 34 | West Wall | <18 | <205 | <60 | <455 | |
| 35 | West Wall | <18 | <205 | <60 | <455 | |
| 36 | West Wall | <18 | <205 | <60 | <455 | |
| 37 | West Wall | <18 | <205 | <60 | <455 | |
| 38 | West Wall | <18 | <205 | <60 | <455 | |
| 39 | West Wall | <18 | <205 | <60 | <455 | |
| 40 | West Wall | <18 | <205 | <60 | <455 | |
| 41 | West Wall | <18 | <205 | <60 | <455 | |
| 42 | West Wall | <18 | <205 | <60 | <455 | |
| 43 | West Wall | <18 | <205 | <60 | <455 | |
| 44 | West Wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 45 | West Wall | <18 | <205 | <60 | <455 | |
| 46 | West Wall | <18 | <205 | <60 | <455 | |
| 1 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 2 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 3 | Inside Walls of Office | <18 | <205 | 60 | <455 | |
| 4 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 5 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 6 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 7 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 8 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 9 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 10 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 11 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 12 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 13 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 14 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 15 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 16 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 17 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 18 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 19 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 20 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 21 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 22 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 23 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 24 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 25 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 26 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 27 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 28 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 29 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 30 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 31 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 32 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 33 | Inside Walls of Office | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 7/25/97 100% scan w/ fixed points on floor and wall surfaces Sections 6

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 34 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 35 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 36 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 37 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 38 | Inside Walls of Office | <18 | <205 | 60 | <455 | |
| 39 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 40 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 41 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 42 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 43 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 44 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 45 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 46 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 47 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 48 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 49 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 50 | Inside Walls of Office | <18 | <205 | <60 | <455 | |
| 51 | Inside Walls of Office | <18 | <205 | <60 | <455 | |

**Survey Date:** 8/13/97 Section 5 Investigation on floor and wall in area of elevated activity due to thorium from tungsten welding rods

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 2 | Floor & Wall | <18 | <205 | <60 | 680 | |
| 3 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 4 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 5 | Floor & Wall | <18 | <205 | 60 | 540 | |
| 6 | Floor & Wall | <18 | <205 | <60 | 600 | |
| 7 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 8 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 9 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 10 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 11 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 12 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 13 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 14 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 15 | Floor & Wall | <18 | <205 | <60 | 480 | |

## Data Summary of Interior of Building 980 (Continued)

**Survey Date:** 8/13/97 Section 5 Investigation on floor and wall in area of elevated activity due to thorium from tungsten welding rods

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 16 | Floor & Wall | <18 | <205 | 636* | 924* | |
| 17 | Floor & Wall | <18 | <205 | 120* | 1449* | |
| 18 | Floor & Wall | <18 | <205 | 456* | 5046* | |
| 19 | Floor & Wall | <18 | <205 | 90 | <455 | |
| 20 | Floor & Wall | <18 | <205 | 60 | <455 | |
| 21 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 22 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 23 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 24 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 25 | Floor & Wall | <18 | <205 | 96 | 810 | |
| 26 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 27 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 28 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 29 | Floor & Wall | <18 | <205 | <60 | <455 | |
| 30 | Floor & Wall | <18 | <205 | <60 | <455 | |

**Survey Date:** 9/11/97 Section 5 Investigation on floor and wall in area of elevated activity due to thorium from tungsten welding rods

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1B | Floor & Wall | <18 | <205 | 636 | 924* | |
| 2B | Floor & Wall | <18 | <205 | 120 | 1449* | |
| 3B | Floor & Wall | <18 | <205 | 456 | 5046* | |
| 4B | Floor & Wall | <18 | <205 | 90 | <455 | |
| 5B | Floor & Wall | <18 | <205 | 60 | <455 | |
| 6B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 7B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 8B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 9B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 10B | Floor & Wall | <18 | <205 | 96 | 810 | |
| 11B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 12B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 13B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 14B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 15B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 16B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 17B | Floor & Wall | <18 | <205 | <60 | <455 | |
| 18B | Floor & Wall | <18 | <205 | <60 | <455 | |

* Material identified as Thorium - 5,000 dpm/100 cm² average/15,000 dpm/100 cm² maximum limits apply

## Data Summary of Building 980 (Continued)

**Survey Date:** 7/25/97 Survey of newly exposed support beams after exterior panel removal

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | North support beam | <18 | <205 | <60 | <455 | |
| 2 | North support beam | <18 | <205 | <60 | <455 | |
| 3 | North support beam | <18 | <205 | <60 | <455 | |
| 4 | North support beam | <18 | <205 | <60 | <455 | |
| 5 | North support beam | <18 | <205 | 60 | <455 | |
| 6 | North support beam | <18 | <205 | <60 | <455 | |
| 7 | North support beam | <18 | <205 | <60 | <455 | |
| 8 | North support beam | <18 | <205 | <60 | <455 | |
| 9 | North support beam | <18 | <205 | <60 | <455 | |
| 10 | North support beam | <18 | <205 | <60 | <455 | |
| 11 | North support beam | <18 | <205 | <60 | <455 | |
| 12 | North support beam | <18 | <205 | <60 | <455 | |
| 13 | North support beam | <18 | <205 | <60 | <455 | |
| 14 | North support beam | <18 | <205 | <60 | <455 | |
| 15 | North support beam | <18 | <205 | <60 | <455 | |
| 16 | East support beam | <18 | <205 | <60 | <455 | |
| 17 | East support beam | <18 | <205 | <60 | <455 | |
| 18 | East support beam | <18 | <205 | <60 | <455 | |
| 19 | East support beam | <18 | <205 | <60 | <455 | |
| 20 | East support beam | <18 | <205 | <60 | <455 | |
| 21 | South support beam | <18 | <205 | <60 | <455 | |
| 22 | South support beam | <18 | <205 | <60 | <455 | |
| 23 | South support beam | <18 | <205 | <60 | <455 | |
| 24 | South support beam | <18 | <205 | <60 | <455 | |
| 25 | South support beam | <18 | <205 | <60 | <455 | |
| 26 | Survey point not used | N/A | N/A | N/A | N/A | |
| 27 | South support beam | <18 | <205 | <60 | <455 | |
| 28 | South support beam | <18 | <205 | <60 | <455 | |
| 29 | South support beam | <18 | <205 | <60 | <455 | |
| 30 | South support beam | <18 | <205 | <60 | <455 | |
| 31 | South support beam | <18 | <205 | <60 | <455 | |
| 32 | South support beam | <18 | <205 | <60 | <455 | |
| 33 | South support beam | <18 | <205 | <60 | <455 | |
| 34 | South support beam | <18 | <205 | <60 | <455 | |
| 35 | South support beam | <18 | <205 | <60 | <455 | |

## Data Summary of Building 980 (Continued)

**Survey Date:** 7/25/97 Survey of newly exposed support beams after exterior panel removal

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 36 | South support beam | <18 | <205 | <60 | <455 | |
| 37 | South support beam | <18 | <205 | <60 | <455 | |
| 38 | West support beam | <18 | <205 | <60 | <455 | |
| 39 | West support beam | <18 | <205 | <60 | <455 | |
| 40 | West support beam | <18 | <205 | 60 | <455 | |
| 41 | West support beam | <18 | <205 | <60 | <455 | |
| 42 | West support beam | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968

**Survey Date:** 9/8/97 Floor and wall surfaces - Section 1

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 2 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 3 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 4 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 5 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 6 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 7 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 8 | Section 1 north wall | <18 | <205 | <60 | <455 | |
| 1 | Section 1 west wall | <18 | <205 | <60 | <455 | |
| 2 | Section 1 west wall | <18 | <205 | <60 | <455 | |
| 1 | Section 1 east wall | <18 | <205 | <60 | <455 | |
| 2 | Section 1 east wall | <18 | <205 | <60 | <455 | |
| 1 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 2 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 3 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 4 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 5 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 6 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 7 | Section 1 south wall | <18 | <205 | <60 | <455 | |
| 1 | Restroom floor | <18 | <205 | <60 | <455 | |
| 2 | Restroom wall | <18 | <205 | <60 | <455 | |
| 3 | Restroom wall | <18 | <205 | <60 | <455 | |
| 4 | Restroom wall | <18 | <205 | <60 | <455 | |
| 5 | Restroom wall | <18 | <205 | <60 | <455 | |
| 1 | East office wall | <18 | <205 | <60 | <455 | |
| 2 | East office wall | <18 | <205 | <60 | <455 | |
| 3 | East office wall | <18 | <205 | <60 | <455 | |
| 4 | East office wall | <18 | <205 | <60 | <455 | |
| 5 | East office floor | <18 | <205 | <60 | <455 | |
| 1 | West office wall | <18 | <205 | <60 | <455 | |
| 2 | West office wall | <18 | <205 | <60 | <455 | |
| 3 | West office wall | <18 | <205 | <60 | <455 | |
| 4 | West office wall | <18 | <205 | <60 | <455 | |
| 5 | West office floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968 (Continued)

**Survey Date:** 9/8/97 Ceiling surfaces - Section 1

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 2 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 3 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 4 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 5 | Section 1 ceiling | <18 | <205 | 60 | <455 | |
| 6 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 7 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 8 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 9 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 10 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 11 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 12 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 13 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 14 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 15 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 16 | Section 1 ceiling | <18 | <205 | <60 | <455 | |
| 1 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 2 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 3 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 4 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 5 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 6 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 7 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 8 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 9 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 10 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 11 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 12 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 13 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 14 | Section 1 floor | <18 | <205 | <60 | <455 | |
| 15 | Section 1 floor | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968 (Continued)

**Survey Date:** 9/8/97 Floor and wall surfaces - Section 2

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 2 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 3 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 4 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 5 | Section 2 North wall | <18 | <205 | 60 | <455 | |
| 6 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 7 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 8 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 9 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 10 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 11 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 12 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 13 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 14 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 15 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 16 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 17 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 18 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 19 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 20 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 21 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 22 | Section 2 North wall | <18 | <205 | 60 | <455 | |
| 23 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 24 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 25 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 26 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 27 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 28 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 29 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 30 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 31 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 32 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 33 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 34 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 35 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 36 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 37 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 38 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 39 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 40 | Section 2 North wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968 (Continued)

**Survey Date:** 9/8/97 Floor and wall surfaces - Section 2

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 41 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 42 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 43 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 44 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 45 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 46 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 47 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 48 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 49 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 50 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 51 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 52 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 53 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 54 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 55 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 56 | Section 2 North wall | <18 | <205 | 60 | <455 | |
| 57 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 58 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 59 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 60 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 61 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 62 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 63 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 64 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 65 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 66 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 67 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 68 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 69 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 70 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 71 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 72 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 73 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 74 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 75 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 76 | Section 2 North wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968 (Continued)

**Survey Date:** 9/8/97 Floor and wall surfaces - Section 2

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 77 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 78 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 79 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 80 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 81 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 82 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 83 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 84 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 85 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 86 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 87 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 88 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 89 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 90 | Section 2 North wall | <18 | <205 | 60 | <455 | |
| 91 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 92 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 93 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 94 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 95 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 96 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 97 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 98 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 99 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 100 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 101 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 102 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 103 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 104 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 105 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 106 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 107 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 108 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 109 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 110 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 111 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 112 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 113 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 114 | Section 2 North wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968 (Continued)

**Survey Date:** 9/8/97 Floor and wall surfaces - Section 2

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 115 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 116 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 117 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 118 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 119 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 120 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 121 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 122 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 123 | Section 2 North wall | <18 | <205 | <60 | <455 | |
| 124 | Section 2 North wall | <18 | <205 | 60 | <455 | |
| 1 | Section 2 East wall | <18 | <205 | <60 | <455 | |
| 2 | Section 2 East wall | <18 | <205 | <60 | <455 | |
| 1 | Section 2 South wall | <18 | <205 | <60 | <455 | |
| 2 | Section 2 South wall | <18 | <205 | <60 | <455 | |
| 3 | Section 2 South wall | <18 | <205 | <60 | <455 | |
| 4 | Section 2 South wall | <18 | <205 | <60 | <455 | |
| 5 | Section 2 South wall | <18 | <205 | <60 | <455 | |
| 1 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 2 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 3 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 4 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 5 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 6 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 7 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 8 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 9 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 10 | Section 2 Floor | <18 | <205 | <60 | <455 | |
| 1 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 2 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 3 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 4 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 5 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 6 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 7 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 8 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 9 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 10 | Section 2 Ceiling | <18 | <205 | <60 | <455 | |
| 1 | Section 2 West wall | <18 | <205 | <60 | <455 | |
| 2 | Section 2 West wall | <18 | <205 | <60 | <455 | |

## Data Summary of Interior of Building 968 (Continued)

**Survey Date:** 9/12/97 Equipment - Section 1 and 2

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | Heater | <18 | <205 | <60 | <455 | |
| 2 | Light | <18 | <205 | <60 | <455 | |
| 3 | Fire Line | <18 | <205 | <60 | <455 | |
| 4 | Light | <18 | <205 | <60 | <455 | |
| 5 | Beam | <18 | <205 | 60 | <455 | |
| 6 | Heater | <18 | <205 | <60 | <455 | |
| 7 | Beam | <18 | <205 | <60 | <455 | |
| 8 | Heater | <18 | <205 | <60 | <455 | |
| 9 | Beam | <18 | <205 | <60 | <455 | |
| 10 | Pipe | <18 | <205 | <60 | <455 | |
| 11 | Light | <18 | <205 | <60 | <455 | |
| 12 | Pipe | <18 | <205 | <60 | <455 | |
| 13 | Pipe | <18 | <205 | <60 | <455 | |
| 14 | Beam | <18 | <205 | <60 | <455 | |
| 15 | Electrical panel | <18 | <205 | <60 | <455 | |
| 16 | Pipe | <18 | <205 | <60 | <455 | |
| 17 | Light | <18 | <205 | <60 | <455 | |
| 18 | Pipe | <18 | <205 | <60 | <455 | |
| 19 | Heater | <18 | <205 | <60 | <455 | |
| 20 | Heater | <18 | <205 | <60 | <455 | |
| 21 | Light | <18 | <205 | <60 | <455 | |
| 22 | Heater | <18 | <205 | <60 | <455 | |
| 23 | Light | <18 | <205 | <60 | <455 | |
| 24 | Light | <18 | <205 | <60 | <455 | |
| 25 | Beam | <18 | <205 | <60 | <455 | |
| 26 | Heater | <18 | <205 | <60 | <455 | |
| 27 | Electrical panel | <18 | <205 | <60 | <455 | |
| 28 | Fire water valves | <18 | <205 | <60 | <455 | |
| 29 | Heater duct | <18 | <205 | <60 | <455 | |
| 30 | Heater duct | <18 | <205 | <60 | <455 | |

## Data Summary of Building 968 (Continued)

**Survey Date:** 9/24/97 Survey of newly exposed support beams after exterior panel removal

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 1 | North support beam | <18 | <205 | <60 | <455 | |
| 2 | North support beam | <18 | <205 | <60 | <455 | |
| 3 | North support beam | <18 | <205 | <60 | <455 | |
| 4 | North support beam | <18 | <205 | 66 | <455 | |
| 5 | North support beam | <18 | <205 | 60 | <455 | |
| 6 | North support beam | <18 | <205 | <60 | <455 | |
| 7 | North support beam | <18 | <205 | 72 | <455 | |
| 8 | East support beam | <18 | <205 | <60 | <455 | |
| 9 | East support beam | <18 | <205 | <60 | <455 | |
| 10 | South support beam | <18 | <205 | <60 | <455 | |
| 11 | South support beam | <18 | <205 | <60 | <455 | |
| 12 | South support beam | <18 | <205 | <60 | <455 | |
| 13 | South support beam | <18 | <205 | <60 | <455 | |
| 14 | South support beam | <18 | <205 | <60 | <455 | |
| 15 | West support beam | <18 | <205 | <60 | <455 | |
| 16 | West support beam | <18 | <205 | <60 | <455 | |
| 17 | North support beam | <18 | <205 | 132* | <455 | |
| 18 | North support beam | <18 | <205 | 126* | <455 | |
| 19 | North support beam | <18 | <205 | 210* | <455 | |
| 20 | North support beam | <18 | <205 | 108* | <455 | |
| 21 | North support beam | <18 | <205 | <60 | <455 | |
| 22 | North support beam | <18 | <205 | 144* | <455 | |
| 23 | East support beam | <18 | <205 | <60 | <455 | |
| 24 | East support beam | <18 | <205 | <60 | <455 | |
| 25 | East support beam | <18 | <205 | 72 | <455 | |
| 26 | South support beam | <18 | <205 | <60 | <455 | |
| 27 | South support beam | <18 | <205 | <60 | <455 | |
| 28 | South support beam | <18 | <205 | <60 | <455 | |
| 29 | South support beam | <18 | <205 | <60 | <455 | |
| 30 | South support beam | <18 | <205 | <60 | <455 | |
| 31 | South support beam | <18 | <205 | <60 | <455 | |
| 32 | West support beam | <18 | <205 | 86 | <455 | |
| 33 | West support beam | <18 | <205 | 132* | <455 | |
| 34 | West support beam | <18 | <205 | 96 | <455 | |

* Recounts performed to verify radon activity caused elevated fixed alpha values. All elevated survey points for alpha decreased to < 100 dpm/100 cm²

## Data Summary of Building 968 (Continued)

**Survey Date:** 7/25/97 Survey of newly exposed support beams after exterior panel removal

| Survey Location | Location/Description | AlphaSmear Result (dpm/100 cm²) | Beta Smear Result (dpm/100 cm²) | Fixed Alpha Result (dpm/100 cm²) | Fixed Beta Result (dpm/100 cm²) | Independent Verification (If required) |
|---|---|---|---|---|---|---|
| 17B | 2nd measurement on North support beam | <18 | <205 | 90 | <455 | |
| 18B | 2nd measurement on North support beam | <18 | <205 | 126* | <455 | |
| 18C | 3rd measurement on North support beam | <18 | <205 | 78 | <455 | |
| 19B | 2nd measurement on North support beam | <18 | <205 | 132* | <455 | |
| 19C | 3rd measurement on North support beam | <18 | <205 | 114* | <455 | |
| 19D | 4th measurement on North support beam | <18 | <205 | 78 | <455 | |
| 22B | 2nd measurement on North support beam | <18 | <205 | 138* | <455 | |
| 22C | 3rd measurement on North support beam | <18 | <205 | 96 | <455 | |
| 33B | 2nd measurement on West support beam | <18 | <205 | 102 | <455 | |
| 33C | 3rd measurement on North support beam | <18 | <205 | <60 | <455 | |

* Recounts performed to verify radon activity caused elevated fixed alpha values. All elevated survey points for alpha decreased to < 100 dpm/100 cm²

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